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FERTILIZER REPORT 1927

JAMES W. KELLOGG,
Director—Chief Chemist

BUREAU OF FOODS AND CHEMISTRY



C. G. JORDAN, *Secretary of Agriculture*

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PENNSYLVANIA DEPARTMENT OF AGRICULTURE

Organization and Services

C. G. JORDAN, *Secretary of Agriculture* R. G. BRESSLER, *Deputy Secretary*

This Department is essentially a service agency created by legislative enactment to deal with administrative, regulatory, investigational, and educational problems which can best be solved through public rather than individual action. The organization provides for coordination and cooperation with the Pennsylvania State College and the U. S. Department of Agriculture. The Department operates through the following bureaus:

ANIMAL INDUSTRY:

T. E. MUNCE, *Director and State Veterinarian*

Prevents and Eradicates transmissible diseases of animals and poultry, including tuberculosis of animals in cooperation with Federal Government;

Demonstrates to veterinarians control methods for transmissible animal diseases;

Supervises vaccination for and the prevention of hog cholera, anthrax, black leg and hemorrhagic septicemia;

Protects public from unwholesome meats through ante and post mortem examinations of animals at slaughtering establishments;

Inspects, licenses and furnishes information as to breeding, soundness and conformation of stallions and jacks standing for public service;

Enforces law requiring licensing of dogs and providing for protection of livestock and people from attacks of uncontrolled dogs;

Maintains laboratory for diagnostic research and experimental projects.

PLANT INDUSTRY:

R. H. BELL, *Director*

Tests agricultural seeds for purity and germination, and enforces State Seed Law;

Inspects orchards, parks, farms, and plant imports for injurious insects and plant diseases;

Inspects and licenses Pennsylvania nurseries, and licenses all dealers in nursery stock;

Enforces laws governing apicultural practices, disease control and housing;

Places and enforces quarantines and carries on eradication campaigns against insect pests and plant diseases;

Inspects and certifies potatoes for seed purposes;

Makes investigations for the control of injurious insects and plant diseases including field tests of insecticides, fungicides and weed killers;

Maintains collections of insects, plant diseases, plants, and seeds, and identifies specimens.

FOODS AND CHEMISTRY:

JAMES W. KELLOGG, *Director—Chief Chemist*

Accomplishes its purpose of protecting Pennsylvania homes against harmful foodstuffs by sampling, analyzing, and bringing prosecution under the laws relating to foods and non-alcoholic drinks, including milk, cream, butter, ice-cream, eggs, sausage, fresh meats, soft drinks, fruit syrups, vinegar and kindred food products;

Regulates and issues licenses for the manufacture and sale of oleomargarine;

Licenses and regulates egg-opening plants and cold storage warehouses, maintaining regular inspection and enforcing twelve-month storage limit;

Inspects milk plants and creameries and regulates weighing, testing, buying and selling of milk and cream on a butterfat basis;

Protects honest manufacturers, importers, selling agents and ultimate users of feeding stuffs, fertilizers, lime products, linseed oil, paint, putty, turpentine, insecticides and fungicides, by means of annual registrations followed by inspections, analyses, prosecutions and the publication of the analyses of these products;

Analyzes special samples for residents of the State at the rate of \$1.00 a sample for feeding stuffs, lime products and linseed oils.

MARKETS:

GEO. A. STUART, *Acting Director*

Investigates and assists in the marketing of farm products; at present chiefly grain and hay, fruits and vegetables, poultry and eggs, and tobacco;

Compiles and distributes daily market information as to supplies, shipments and prices;

Advises growers on transportation of agricultural products;

Assists cooperative associations and public markets;

Establishes standard grades of farm products and maintains inspection.

STATISTICS:

L. H. WIBLE, *Director*

Assembles and disseminates essential statistics and facts pertaining to the agriculture of the State, from monthly reports rendered by hundreds of volunteer crop correspondents, information which assists the producer in his sales and interests all industries which deal with agricultural products;

Cooperates with U. S. Bureau of Agricultural Economics in joint crop and livestock reporting and publishes annual and monthly summaries of the data;

Compiles dates of county and local fairs and assembles data pertaining to their success and results during each year.

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LETTER OF TRANSMITTAL

PENNSYLVANIA DEPARTMENT OF AGRICULTURE
BUREAU OF FOODS AND CHEMISTRY

Harrisburg, May 2, 1928.

Hon. C. G. Jordan,
Secretary of Agriculture,
Harrisburg, Pa.

Dear Sir:

I have the honor to transmit herewith for your approval a report showing the tabulated results of chemical analyses made by this Bureau, in accordance with the requirements of the Fertilizer Law, of the official samples of Commercial Fertilizers obtained by the Special Agents during the Spring and Fall shipping seasons of 1927.

It is recommended that this report be published in bulletin form for distribution.

Very respectfully,

JAMES W. KELLOGG,
Director—Chief Chemist.



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FERTILIZER REPORT

1927

Introduction

The Fertilizer Law, Act of May 1st, 1909, as amended, defines Commercial Fertilizers as including any and every substance sold for fertilizing or manuring purposes, except marl, lime, wood ashes and the dung of domestic animals and fixes a standard for mixed Fertilizers of not less than 14 per cent. of total plant food. It requires that all brands and kinds of Fertilizers be registered for each calendar year and before being offered for sale; all sacks or attached cards to be printed with brand or trade names, names of Manufacturers or Importers and minimum guarantees for nitrogen, ammonia, total and available phosphoric acid and water soluble potash which they may contain. Materials containing less than 1 per cent. each of ammonia, available phosphoric acid and water soluble potash and the use of chloride of potash in mixtures having the word "tobacco" as a part of brand names and designed for fertilizing tobacco are prohibited.

The number of tons of Fertilizers sold annually during the preceding calendar year is required to be reported and included with applications for registration, on forms which are supplied, and enforcement of the law is provided for by authorizing the collection and analyses of official samples and the publication of the results obtained for the information of the public.

During the Spring and Fall shipping seasons Special Agents of the Bureau collected from selling agencies throughout the Commonwealth 2495 official samples, which were submitted for analyses, together with reports covering each lot or shipment sampled, showing the information printed upon sacks or attached cards and sales conditions. Of this number 2153, representing registered brands, were accordingly analyzed for the purpose of ascertaining the correctness of guarantees and for the amount and forms of plant food which they contained, namely, nitrogen, total, available and insoluble phosphoric acid and water soluble potash. They included 705 different brands produced by 74 Manufacturing and Importing firms, representing six classes, which, together with the number of brands and samples in each class, were as follows:—

	<i>Brands</i>	<i>Samples</i>
Complete Fertilizers,	436	1392
Ground Bone Fertilizers,	32	69
Acidulated Phosphate Fertilizers,	74	301
Lime Phosphate Fertilizers,	17	36
Rock and Potash Fertilizers,	66	185
Miscellaneous Fertilizers,	80	170
Total,	705	2153

Registrations for 1927 were received from 135 Manufacturing and Importing firms and 255 licenses were issued, authorizing the sale of 1272 different brands and kinds of Fertilizers of which 861 were mixed goods and 411 were base materials. The amendment to the law, effective January 1st, 1926, prohibiting the sale of mixed Fertilizers containing less than 14 per cent. total units of plant food, has not materially reduced the number of registered brands of such mixtures, as shown by a comparison of the brands registered for the years preceding the change in the law. The registrations for 1926 and 1925 show that 1285 and 1339 brands of all classes were registered for these respective years.

The amount of Fertilizers sold during the preceding year, 1926, as reported with 1927 applications for registration, totalled 328,904 tons. Approximately two-thirds of this amount were mixed Fertilizers supplying 14 per cent. or more total units of plant food. Of the total number of tons reported as being disposed of the amounts reported for each of the classes and kinds of materials were as follows:—Complete Fertilizers, 199,965; Nitrogen and Phosphoric Acid Fertilizers, 69; Ground Bone Fertilizers, 4,229; Acidulated Phosphate Fertilizers, 90,086; Rock and Potash Fertilizers, 23,778; Tankage, 2,332; Nitrate of Soda, 3,629; Potash Salts, 2,960; Sulphate of Ammonia, 1,016; Dried Blood, 20, and Miscellaneous materials 820 tons.

The amount of plant food supplied by the total tonnage reported as being disposed of during 1926 and as estimated from the guarantees given for the various classes and kinds was 55,402 tons, divided as follows: 5439 tons of ammonia, 36,349 tons of available and total phosphoric acid and 13,614 tons of water soluble potash.

CONCLUSIONS

A comparison of the results of analyses of the 2153 official samples with the several forms of plant food which they were guaranteed to contain showed that 407, or 18.9 per cent., of them failed in one or more constituents to meet their guarantees to the extent of .20 per cent. or more. This proportion of deficiencies was in excess of those reported for the three preceding years inspections of 17.7 per cent. for 1926, 13.7 per cent. for 1925 and 16.3 per cent. for 1924 and show an unfavorable condition and much needed improvement in guaranteeing and methods of preparation. An estimate of the failures to meet guarantees for each of the forms of plant food taken separately shows that 78, or 5.0 per cent., of the samples were deficient in nitrogen, 7, or 9.7 per cent., were deficient in total phosphoric acid, 141, or 7.1 per cent., were deficient in available phosphoric acid and 221, or 13.5 per cent., were deficient in water soluble potash. Compared with the deficiencies reported for 1926 this proportion was less in nitrogen, total and available phosphoric acid and greater in water soluble potash.

The Complete Fertilizers numbered 1392 samples and 436 brands and included nearly two-thirds of the total samples analyzed. They were all guaranteed to contain 14 per cent. or more of total plant food. There were 337, or 24.2 per cent., of the samples which failed to meet their guarantees in one or more constituents, a very unsatis-

factory condition in this class of materials, exceeding the deficiencies reported for 1926. The proportion of deficiencies in each form of plant food were as follows: 69, or 5.0 per cent., in nitrogen, 124, or 8.9 per cent., in available phosphoric acid and 182, or 13.1 per cent., in water soluble potash. These deficiencies were also in excess of those reported for the preceding year in the case of nitrogen and phosphoric acid and nearly twice as great in the case of potash. These complete mixtures averaged 207 per cent. nitrogen, 9.78 per cent. available phosphoric acid and 5.74 per cent. water soluble potash and the retail selling price averaged \$31.94 a ton. Of the total number 1274 samples supplied potash as muriate, 8 as sulphate and 110 as both muriate and sulphate of potash. There were 4 samples having the word "tobacco" as a part of the brand name and of this number 3 supplied potash in the sulphate form and 1 contained muriate. The average selling value was \$2.39 less than the average reported for this class examined during 1926. The 436 brands of Complete Fertilizers represented 82 different formula grades, which were guaranteed to contain from 1 to 10 per cent. of nitrogen, 7 to 20 per cent. available phosphoric acid and from 2 to 20 per cent. water soluble potash. Judging from the larger proportions of samples and brands received for certain of the formula grades, as evidenced by the frequency of finding shipments of the same on sale, the following grades, together with the average retail ton selling prices, appeared to be the most popular: 1-9-4, \$25.76; 2-8-5, \$28.38; 2-8-10, \$32.13; 2-9-3, \$28.15; 2-12-2, \$28.80; 2-12-4, \$30.49; 3-10-6, \$33.89; 4-8-7, \$35.13 and 5-8-5, \$39.76. In the case of the other grades only 1 or a few samples representing the brands on sale were examined and as prices are variable the selling prices cannot be considered as entirely representative of these grades. A few, however, of the higher formula grades in which only a few samples were included will be of interest as showing that the higher grades of mixed fertilizers are being slowly introduced, as for example, 4-8-10, averaging \$37.59; 4-12-4, averaging \$72.09; 4-16-4, averaging \$40.76; 4-16-6, averaging \$43.79; 4-16-10, averaging \$45.73 a ton; and 1 sample of 4-16-20 selling at \$61.00 and 1 of 4-20-8 selling at \$44.50 a ton.

There were 69 official samples of Ground Bone Fertilizers, including 32 brands, which were found to average 3.37 per cent. nitrogen and 24.29 per cent. total phosphoric acid and selling at an average value of \$50.09 a ton. Five of the samples, or 7.3 per cent., were found deficient, 3, or 4.4 per cent., being low in both nitrogen and in total phosphoric acid, a material decrease in deficiencies compared with the 1926 figures.

The Acidulated Phosphate Fertilizers included 337 official samples of which 36 samples were so-called Lime Phosphate Fertilizers containing a lower percentage of available phosphoric acid and fortified with a lime product. In order that these two types of materials might be compared they were classified separately. The 301 samples of Acidulated Phosphate Fertilizers represented 74 brands and averaged 18.65 per cent. total phosphoric acid, 17.93 per cent. available phosphoric acid and .72 per cent. insoluble phosphoric acid. The retail selling values averaged \$19.05 a ton or at the rate of \$1.06 a unit for phosphoric acid. Of this group only 2 were deficient in available phosphoric acid. The 36 samples and 17 brands of Lime Phos-

phate Fertilizers averaged 15.28 per cent. total phosphoric acid, 13.37 per cent. available phosphoric acid and 1.91 per cent. insoluble phosphoric acid and retailed at an average of \$18.31 a ton, or at the estimated rate of \$1.37 a unit for phosphoric acid. There were 8, or 22.2 per cent., of the samples of this group deficient in available phosphoric acid.

The 185 official samples of Rock and Potash Fertilizers averaged 11.64 per cent. available phosphoric acid and 5.83 per cent. water soluble potash and retailed at an average of \$24.92 a ton and represented 66 different brands. There were 34, or 18.4 per cent., of this class of materials deficient in their plant food contents, 7, or 3.8 per cent., being deficient in available phosphoric acid and 28, or 15.1 per cent., in potash. All of the brands represented mixtures carrying 14 per cent. or more total units of plant food. One hundred sixty-eight (168) of the samples were found to contain potash in the muriate form and in 17 the potash was present as both muriate and sulphate.

The materials classified as Miscellaneous Fertilizers included 170 samples, representing 80 different brands, and of this number 21, or 12.4 per cent., were found to be deficient in one or more of their constituents compared with guarantees. Six, or 3.5 per cent., were deficient in nitrogen, 4, or 2.4 per cent., were deficient in total phosphoric acid and 11, or 6.5 per cent. of the samples were deficient in water soluble potash. This class included the following: Nitrate of Soda, 63 samples, averaging 15.54 per cent. nitrogen and \$66.48 as the retail selling price; Sulphate of Ammonia, 21 samples, averaging 21.0 per cent. nitrogen and retailing at an average of \$69.20 a ton; 1 sample of Dried Blood, analyzing 13.76 per cent. nitrogen, and selling at \$95.00 a ton; Tankage, 20 samples, averaging 6.76 per cent. nitrogen, 11.45 per cent. total phosphoric acid, and selling at an average of \$45.45 a ton; Kainit, 8 samples, averaging 12.97 per cent. potash and retailing at an average of \$17.55 a ton; Manure Salt, 2 samples, averaging 21.47 per cent. potash, and retailing at an average of \$23.30 a ton; Muriate of Potash, 52 samples, averaging 50.40 per cent. potash, having an average retail selling value of \$48.94 a ton, and 3 unclassified Fertilizers, including "Baugh's Pure Bone and Muriate of Potash Mixture", containing 2.55 per cent. nitrogen 21.05 per cent. total phosphoric acid and 4.46 per cent. water soluble potash, having a retail value of \$52.00 a ton; "Farmer's Top Dresser", containing 7.15 per cent. nitrogen and 7.91 per cent. available phosphoric acid, and retailing at \$41.00 a ton; "Standard Special Mixture", containing 1.25 per cent. nitrogen, 24.54 per cent. total phosphoric acid and 5.29 per cent. potash and retailing at \$40.00 a ton.

The estimated average retail selling values for the several classes of Fertilizers were as follows: Complete Fertilizers \$31.94, Ground Bone Fertilizers \$50.09, Acidulated Phosphate Fertilizers \$19.05, Lime Phosphate Fertilizers \$18.31 and Rock and Potash Fertilizers \$24.92 a ton. On the basis of these retail values the approximate average unit values for the three forms of plant food which they supplied were estimated as being \$4.43 a unit for nitrogen, \$1.06 a unit for available phosphoric acid and \$2.16 a unit for water soluble potash. These values are slightly less than those reported for the materials examined during 1926.

The results of the 1927 inspection show that an unsatisfactory condition existed with respect to Fertilizers not meeting their guarantees, as there was a larger proportion of deficiencies than noted and reported for the three preceding years' inspection work. There is much need of improvement in manufacturing and showing guarantees if the consumers are to be protected in securing the claimed amounts of plant food which they purchase. In a number of cases a deficiency in one element was balanced by an overage in another, however a situation where 18.9 per cent. of the total samples analyzed failed in one or more constituents to meet guarantees shows an unfavorable condition.

The number of brands registered for 1927 sales was slightly less than registered for the two preceding years. The total tonnage reported for the 1926 sales of 328,904 tons was slightly in excess of the 328,462 tons reported as being disposed of during 1925. There were no violations of the law with respect to using prohibited materials, as shown by microscopical examinations. There were a number of non-registered brands found being offered for sale during the year, showing failure on the part of those responsible for their output to meet the requirements in effecting registration and thereby protecting selling agents responsible for such sales.

In the following pages will be found Acknowledgments; Table I, showing Number of Deficiencies in Each Class; Table II, Average Analyses and Retail Prices; Key to Tables, explaining the large tables which follow, showing results of chemical analyses in detail of each official sample received from the Agents, together with brand names and names of selling agents, guarantees for the several forms of plant food which they contained and retail selling prices; Table III, Complete Fertilizers; Table IV, Ground Bone Fertilizers; Table V, Acidulated Phosphate Fertilizers, Table VI, Rock and Potash Fertilizers, and Table VII, Miscellaneous Fertilizers.

ACKNOWLEDGMENTS

Mr. V. B. Hausknecht, First Assistant Chemist, in charge of the Chemical Laboratory, had immediate supervision of the reception and analyses of the official samples, the approval of applications for registration and the issuing of licenses and the preparation of the Tables included in this Report. The microscopical examinations were made by H. E. Gensler, Assistant Chemist and Micro-Analyst, and the following Assistant Chemists performed the chemical analyses: G. J. Kuhlmann, Jr., F. B. Williams, Claude R. Engle, Harold Y. Fisher, Joseph F. Bradley and Harry C. Stup. The samples were prepared for analysis by Myrle W. Copeland, Laboratory Assistant.

TABLE I—DEFICIENCIES

Classes of Fertilizers	Number of Samples.	Deficient in Nitrogen.	Deficient in Available Phosphoric Acid.	Deficient in Potash.
Complete Fertilizers -----	1,392	69	124	182
Ground Bone Fertilizers -----	69	3	3*	-----
Acidulated Phosphate Fertilizers -----	301	-----	12	-----
Lime Phosphate Fertilizers -----	36	-----	6	-----
Rock and Potash Fertilizers -----	185	-----	7	28
Miscellaneous Fertilizers -----	170	6	4*	11
Totals -----	2,153	78	148	221

*Total Phosphoric Acid.

TABLE II—AVERAGE ANALYSES AND RETAIL PRICES

	Complete Fertilizers	Ground Bone Fertilizers	Acidulated Phosphate Fertilizers*	Rock and Potash Fertilizers
Total Nitrogen -----	2.07	3.37	-----	-----
Total Phosphoric Acid -----	10.68	24.29	18.65	12.43
Available Phosphoric Acid -----	9.78	-----	17.93	11.64
Insoluble Phosphoric Acid -----	0.90	-----	0.72	0.79
Potash -----	5.74	-----	-----	5.83
Selling Price -----	\$31.94	\$50.09	\$19.05	\$24.92
Average Selling Price 1926 -----	\$34.33	\$54.90	\$21.23	\$27.61

*Excluding Lime Phosphates.

KEY TO TABLES

The following tables include the detailed results of chemical analyses of each sample. All samples were given a chemist's number as shown in the extreme left and right hand columns and are grouped in alphabetical order of manufacturers and brand names. Each class is shown in separate tables and the following information will serve as a key to these tables:

The asterisk (*) indicates the cases where total nitrogen, available phosphoric acid and total potash are deficient to the extent of .2 per cent. or more below their respective guarantees. In cases where the guarantees are .5 per cent. or less the deficiencies noted are where the amount is .1 per cent or more below the guarantees.

Order of results of analysis: Total Nitrogen found and Guaranteed, Total Phosphoric Acid found and guaranteed: Available Phosphoric Acid found and guaranteed: Insoluble Phosphoric Acid found and guaranteed; Total Potash found and guaranteed, and Potash as Muriate and as Sulphate.

To determine the formula of any brand, as guaranteed, multiply Total Nitrogen guaranteed by 1.2158 to obtain Ammonia and then use this figure and the guarantees for Available Phosphoric Acid and Total Potash. For example, Nitrogen guarantee equals .82% (.82 x 1.2158=1%). Ammonia equals 1%; Available Phosphoric Acid, 8%, Potash, 1%. Formula therefore is 1-8-1.

Table III, Complete Fertilizers, furnishing Nitrogen, Phosphoric Acid and Potash.

Table IV, Ground Bone Fertilizers, furnishing Nitrogen and Total Phosphoric Acid.

Table V, Superphosphates (Acid Phosphates) furnishing phosphoric acid.

Table VI, Rock and Potash Fertilizers, furnishing Phosphoric Acid and Potash.

Table VII, Miscellaneous Fertilizers, including Nitrate of Soda, Sulphate of Ammonia, Dried Blood, Tankage, Kainit, Manure Salt, Muriate of Potash, and 3 unclassified fertilizers.

TABLE III—COMPLETE
Furnishing Nitrogen, Phosphoric

Chemist's number.	Name of Manufacturer and Brand	Samples Taken From
	THE AMERICAN AGRICULTURAL CHEMICAL CO., NEW YORK, N. Y.	
4415	Acme Fertilizer, -----	Ewing & Kinsloe, Newton Hamilton, -----
3603	Acme Fertilizer, -----	Farmer's Supply Co., New Castle, -----
4643	Acme Fertilizer, -----	J. R. Houston, Harrisville, -----
2722	Acme Fertilizer, -----	J. A. Marsteller, Hartstown, -----
3787	Acme Fertilizer, -----	J. S. Moore & Son, Oakdale, -----
4559	Acme Fertilizer, -----	F. E. Moulthrop, Conneautville, -----
3938	Acme Fertilizer, -----	H. E. Newman, West Salisbury, -----
2764	Acme Fertilizer, -----	Passmore Supply Co., Oxford, -----
2936	Acme Fertilizer, -----	H. A. Snyder, Strawberry Ridge, -----
4222	Acme Fertilizer, -----	George B. Sterner, Dewart, -----
3912	Agrico Fertilizer for Corn, -----	E. O. Bowman, Smithfield, -----
2806	Agrico Fertilizer for Corn, -----	N. O. Reichard, Danville, -----
3947	Agrico Fertilizer for Corn, -----	N. B. Shober, Garrett, -----
3405	Agrico Fertilizer for Grain, -----	Dillsburg Grain & Milling Co., Dillsburg, -----
3486	Agrico Fertilizer for Grain, -----	J. Walter Hayner, West Decatur, -----
4398	Agrico Fertilizer for Grain, -----	Kline Grain Co., Shelocta, -----
4427	Agrico Fertilizer for Grain, -----	J. M. Musser, Mifflintown, -----
3663	Agrico Fertilizer for Grain, -----	Paul Neff, Alexandria, -----
4595	Agrico Fertilizer for Grain, -----	John H. Roth, West Hamburg, -----
4219	Agrico Fertilizer for Grain, -----	W. S. Sidler, Danville, -----
4812	Agrico Fertilizer for Grain, -----	Chas. L. Tressler, Conygham, -----
3084	Agrico Fertilizer for Grain, -----	C. G. Yost, McEwensville, -----
4419	Agrico Fertilizer for Potatoes, -----	Ewing & Kinsloe, Newton Hamilton, -----
2564	Agrico Fertilizer for Potatoes, -----	Farmers' Exchange, Indiana, -----
2633	Agrico Fertilizer for Potatoes, -----	J. R. Iddings, Mifflinburg, -----
2908	Agrico Fertilizer for Potatoes, -----	J. E. Jackson, Everett, -----
2586	Agrico Fertilizer for Potatoes, -----	George A. Konkle, Montoursville, -----
2762	Agrico Fertilizer for Potatoes, -----	Passmore Supply Co., Oxford, -----
3446	Agrico Fertilizer for Potatoes, -----	George B. Schweitzer, Lehighton, -----
3946	Agrico Fertilizer for Potatoes, -----	N. B. Shober, Garrett, -----
4224	Agrico Fertilizer for Potatoes, -----	George B. Sterner, Dewart, -----
3496	Agrico Fertilizer for Potatoes, -----	G. M. Weaver, Fayette City, -----
3240	Agrico Fertilizer for Potatoes, -----	L. G. Williams, St. Johns, -----
3913	Agrico Fertilizer for Truck, -----	E. O. Bowman, Smithfield, -----
2565	Agrico Fertilizer for Truck, -----	Farmers' Exchange, Indiana, -----
2827	Agrico Fertilizer for Truck, -----	Neal S. Harrison, Forks, -----
3345	Agrico Fertilizer for Truck, -----	Wm. Krause, Dallas, -----
3870	Agrico Fertilizer for Truck, -----	Metzger Wright Co., Sheffield, -----
3450	Agrico Fertilizer for Truck, -----	George B. Schweitzer, Lehighton, -----
3402	Baker's Special Fertilizer, -----	Dillsburg Grain & Milling Co., Dillsburg, -----
4414	Baker's Special Fertilizer, -----	Ewing & Kinsloe, Newton Hamilton, -----
2921	Baker's Special Fertilizer, -----	Gump & Sons, Everett, -----
4659	Baker's Special Fertilizer, -----	F. P. Waite, Tyrone, -----
3106	Bowker's Challenge Fertilizer, -----	L. A. Glessman, Conneautville, -----
4396	Bowker's Challenge Fertilizer, -----	Kline Grain Co., Shelocta, -----
3361	Bowker's Challenge Fertilizer, -----	E. J. Otto, Herndon, -----
4633	Bowker's Challenge Fertilizer, -----	Pollock Flour & Feed Co., Ford City, -----
3878	Bowker's Square Brand Fertilizer, -----	M. Bechlin, Warren, -----
3993	Bowker's Square Brand Fertilizer, -----	L. A. Fischer Co., Bradford, -----
4661	Bowker's Square Brand Fertilizer, -----	John S. Fleek, Tyrone, -----
2958	Bowker's Square Brand Fertilizer, -----	Hartley & Blaine, Turbotville, -----
4400	Bowker's Square Brand Fertilizer, -----	Kline Grain Co., Shelocta, -----
3613	Bowker's Square Brand Fertilizer, -----	P. J. Oesterling & Son, Butler, -----
4034	Bowker's Square Brand Fertilizer, -----	Pollock Flour & Feed Co., Ford City, -----
4345	Bowker's Square Brand Fertilizer, -----	C. G. Yost, McEwensville, -----
3062	Bowker's Stock Bridge Hill and Drill Fertilizer, -----	Joseph London, Cloe, -----
4037	Bowker's Stock Bridge Hill and Drill Fertilizer, -----	Pollock Flour & Feed Co., Ford City, -----
4891	Bowker's Sure Crop Fertilizer, -----	Banner Flour Mills, Fair Chance, -----
8994	Bowker's Sure Crop Fertilizer, -----	L. A. Fischer Co., Bradford, -----

FERTILIZERS.
Acid and Potash.

NITROGEN.		PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
Found.	Guaranteed.	Total.		Available.		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
		Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	%	%	\$	
0.92	0.82	10.01	9.50	9.29	9.00	0.72	0.50	4.25	4.00	4.25	-----	27.60	4415
0.90	0.82	9.85	9.50	9.13	9.00	0.72	0.50	4.16	4.00	4.16	-----	28.00	3603
0.96	0.82	9.98	9.50	9.02	9.00	0.96	0.50	4.00	4.00	2.70	1.30	27.00	4643
0.99	0.82	10.27	9.50	9.69	9.00	0.58	0.50	4.18	4.00	4.18	-----	23.00	2722
0.90	0.82	10.09	9.50	9.43	9.00	0.66	0.50	*3.53	4.00	3.53	-----	29.50	3787
0.93	0.82	9.91	9.50	9.45	9.00	0.46	0.50	4.20	4.00	4.20	-----	26.80	4559
0.94	0.82	10.03	9.50	9.26	9.00	0.82	0.50	4.14	4.00	4.14	-----	33.00	3933
0.86	0.82	10.13	9.50	9.35	9.00	0.78	0.50	*3.72	4.00	3.72	-----	22.00	2764
0.94	0.82	9.96	9.50	9.40	9.00	0.56	0.50	4.09	4.00	4.09	-----	21.85	2956
0.92	0.82	10.46	9.50	*8.66	9.00	1.80	0.50	4.09	4.00	4.09	-----	17.63	4222
2.75	2.47	11.30	10.50	10.38	10.00	0.92	0.50	6.03	6.00	6.03	-----	39.50	3912
2.68	2.47	11.01	10.50	10.39	10.00	0.62	0.50	6.09	6.00	6.09	-----	32.65	2806
2.62	2.47	11.17	10.50	10.49	10.00	0.68	0.50	5.83	6.00	5.83	-----	36.30	3947
1.78	1.65	13.11	12.50	12.01	12.00	1.10	0.50	4.10	4.00	4.10	-----	34.05	3405
1.83	1.65	12.27	12.50	*11.77	12.00	0.50	0.50	4.19	4.00	4.19	-----	36.00	3486
1.81	1.65	13.59	12.50	12.87	12.00	0.72	0.50	3.97	4.00	3.97	-----	35.00	4398
1.73	1.65	13.09	12.50	12.05	12.00	1.04	0.50	4.23	4.00	4.23	-----	30.90	4427
1.60	1.65	13.19	12.50	12.15	12.00	1.04	0.50	4.50	4.00	4.50	-----	36.63	3663
1.84	1.65	13.69	12.50	12.41	12.00	1.28	0.50	4.17	4.00	4.17	-----	31.40	4595
1.77	1.65	13.78	12.50	12.60	12.00	1.18	0.50	4.23	4.00	4.23	-----	29.90	4219
1.77	1.65	13.42	12.50	12.40	12.00	1.02	0.50	4.46	4.00	4.46	-----	29.75	4812
1.75	1.65	13.33	12.50	12.05	12.00	1.28	0.50	4.13	4.00	4.13	-----	31.80	3084
3.49	3.29	8.58	8.50	*7.74	8.00	0.84	0.50	5.98	6.00	5.98	-----	40.00	4419
3.37	3.29	8.83	8.50	8.07	8.00	0.76	0.50	*5.69	6.00	5.69	-----	43.68	2564
3.42	3.29	8.80	8.50	8.30	8.00	0.50	0.50	6.12	6.00	6.12	-----	34.50	2633
3.41	3.29	8.62	8.50	8.02	8.00	0.60	0.50	5.90	6.00	5.90	-----	38.00	2908
3.29	3.29	8.69	8.50	8.15	8.00	0.54	0.50	6.29	6.00	6.29	-----	36.00	2586
3.44	3.29	8.67	8.50	8.09	8.00	0.58	0.50	*5.78	6.00	5.78	-----	36.50	2762
3.30	3.29	8.89	8.50	8.29	8.00	0.60	0.50	6.19	6.00	6.19	-----	34.50	3446
3.31	3.29	8.61	8.50	8.09	8.00	0.52	0.50	6.35	6.00	6.35	-----	33.60	3946
*2.65	3.29	10.08	8.50	9.14	8.00	0.94	0.50	*5.63	6.00	5.63	-----	34.75	4224
3.42	3.29	8.89	8.50	8.07	8.00	0.82	0.50	6.16	6.00	6.16	-----	41.00	3496
3.32	3.29	9.10	8.50	8.48	8.00	0.62	0.50	6.10	6.00	6.10	-----	36.00	3240
4.24	4.11	11.23	10.50	10.55	10.00	0.68	0.50	5.14	5.00	5.14	-----	48.00	3913
4.09	4.11	10.65	10.50	9.99	10.00	0.66	0.50	5.48	5.00	5.48	-----	48.30	2565
4.31	4.11	10.84	10.50	10.08	10.00	0.76	0.50	5.03	5.00	5.03	-----	39.00	2827
4.20	4.11	11.05	10.50	10.29	10.00	0.76	0.50	5.74	5.00	5.74	-----	40.00	3345
4.12	4.11	11.23	10.50	10.37	10.00	0.86	0.50	5.05	5.00	5.05	-----	70.00	3870
4.05	4.11	10.77	10.50	10.01	10.00	0.76	0.50	5.53	5.00	5.53	-----	37.50	3450
1.50	0.82	9.89	9.50	9.25	9.00	0.64	0.50	4.64	4.00	4.64	-----	34.02	3402
0.96	0.82	10.46	9.50	9.04	9.00	1.42	0.50	4.03	4.00	4.03	-----	27.60	4414
0.72	0.82	9.98	9.50	*8.67	9.00	1.31	0.50	*3.04	4.00	3.04	-----	26.50	2921
0.89	0.82	10.74	9.50	9.68	9.00	1.06	0.50	4.14	4.00	4.14	-----	25.00	4659
1.65	1.65	9.44	8.50	8.78	8.00	0.66	0.50	9.88	10.00	9.88	-----	36.25	3106
1.83	1.65	9.10	8.50	8.06	8.00	1.04	0.50	10.13	10.00	8.60	1.53	35.65	4396
1.66	1.65	9.06	8.50	8.36	8.00	0.70	0.50	*9.36	10.00	9.36	-----	33.00	3361
1.74	1.65	8.56	8.50	8.04	8.00	0.52	0.50	*9.53	10.00	9.53	-----	38.00	4033
1.81	1.65	8.99	8.50	8.25	8.00	0.74	0.50	5.04	5.00	5.04	-----	33.00	3878
*1.82	1.65	9.49	8.50	8.93	8.00	0.56	0.50	*3.97	5.00	3.97	-----	35.00	3993
1.67	1.65	9.57	8.50	8.35	8.00	1.22	0.50	5.11	5.00	5.11	-----	27.00	4661
1.66	1.65	9.12	8.50	8.42	8.00	0.70	0.50	5.42	5.00	5.42	-----	27.25	2958
1.78	1.65	9.06	8.50	8.02	8.00	1.04	0.50	4.81	5.00	4.81	-----	30.85	4400
1.77	1.65	9.64	8.50	8.78	8.00	0.86	0.50	*4.00	5.00	4.00	-----	20.00	3613
1.87	1.65	8.80	8.50	8.20	8.00	0.60	0.50	5.00	5.00	4.60	0.40	32.00	4034
1.92	1.65	10.20	8.50	9.16	8.00	1.04	0.50	*4.74	5.00	4.74	-----	26.35	4345
3.39	3.29	8.92	8.50	8.12	8.00	0.80	0.50	*6.56	7.00	6.56	-----	35.85	3062
3.59	3.29	8.62	8.50	7.90	8.00	0.72	0.50	*6.66	7.00	5.70	0.96	39.50	4037
1.13	0.82	10.33	9.50	9.89	9.00	0.44	0.50	3.92	4.00	2.70	1.22	30.00	4891
1.00	0.82	9.75	9.50	9.25	9.00	0.50	0.50	3.98	4.00	3.98	-----	32.00	3994

* Deficient.

TABLE III—COMPLETE

Chemist's number.	Name of Manufacturer and Brand	Samples Taken From
4662	Bowker's Sure Crop Fertilizer, -----	John S. Fleck, Tyrone, -----
3104	Bowker's Sure Crop Fertilizer, -----	L. A. Glessman, Conneautville, -----
4090	Bowker's Sure Crop Fertilizer, -----	C. E. Gobrecht, Hanover, -----
5001	Bowker's Sure Crop Fertilizer, -----	C. E. Gobrecht, Hanover, -----
2959	Bowker's Sure Crop Fertilizer, -----	Hartley & Blaine, Turbotville, -----
4815	Bowker's Sure Crop Fertilizer, -----	W. B. Kirkendall, Nescopeck, -----
4864	Bowker's Sure Crop Fertilizer, -----	S. S. McCollough, Burnside, -----
4035	Bowker's Sure Crop Fertilizer, -----	Pollock Flour & Feed Co., Ford City, -----
4059	Bowker's Sure Crop Fertilizer, -----	Reed Estate, Philipsburg, -----
4750	Bowker's Sure Crop Fertilizer, -----	Reed Estate, Philipsburg, -----
2935	Bradley's Eclipse Fertilizer, -----	J. S. Cole, Millville, -----
2934	Bradley's Imperial Fertilizer, -----	J. S. Cole, Millville, -----
2936	Bradley's Weymouth Staple Fertilizer, --	J. S. Cole, Millville, -----
2602	Champion Fertilizer, -----	J. B. Andersons Sons, Shickshinny, -----
2568	Champion Fertilizer, -----	Farmers' Exchange, Indiana, -----
3608	Champion Fertilizer, -----	R. D. Foss, Petrolia, -----
2828	Champion Fertilizer, -----	Neal S. Harrison, Fords, -----
4961	Champion Fertilizer, -----	George Ifft & Sons, Evans City, -----
2687	Champion Fertilizer, -----	George Kahle, South Oil City, -----
4635	Champion Fertilizer, -----	J. H. McWhirter, Mercer, -----
3788	Champion Fertilizer, -----	J. S. Moore & Son, Oakdale, -----
4170	Champion Fertilizer, -----	H. B. Rosenberger, Doylestown, -----
4391	Champion Fertilizer, -----	C. J. Shuster, Delmont, -----
3646	Climax Fertilizer, -----	H. F. Gelbach, Evans City, -----
4091	Climax Fertilizer, -----	C. E. Gobrecht, Hanover, -----
3801	Climax Fertilizer, -----	Roy Peterson, Franklinville, -----
2783	Climax Fertilizer, -----	John H. Roth, West Hamburg, -----
4226	Climax Fertilizer, -----	Geo. B. Sterner, Dewart, -----
3334	Climax Fertilizer, -----	Chas. Tressler, Conyngham, -----
2671	E. Frank Coe's Antler Fertilizer, -----	J. C. Dunbar, Williamsport, -----
4503	E. Frank Coe's Antler Fertilizer, -----	Clarence Hower, Mifflintown, -----
2583	E. Frank Coe's Antler Fertilizer, -----	George A. Konkle, Montoursville, -----
2782	E. Frank Coe's Antler Fertilizer, -----	John H. Roth, West Hamburg, -----
4597	E. Frank Coe's Antler Fertilizer, -----	John H. Roth, West Hamburg, -----
4912	E. Frank Coe's Antler Fertilizer, -----	I. W. Scott, Pittsburgh, -----
2673	E. Frank Coe's Arrow Fertilizer, -----	J. C. Dunbar, Williamsport, -----
3918	E. Frank Coe's Arrow Fertilizer, -----	Wm. A. Farabaugh, Carrolltown, -----
2587	E. Frank Coe's Arrow Fertilizer, -----	George A. Konkle, Montoursville, -----
4593	E. Frank Coe's Arrow Fertilizer, -----	John H. Roth, West Hamburg, -----
3756	E. Frank Coe's Arrow Fertilizer, -----	Emery E. White, Edella, -----
4883	E. Frank Coe's Columbian Fertilizer, --	L. T. Lardley, Carmichaels, -----
3771	E. Frank Coe's Columbian Fertilizer, --	I. W. Scott Co., Pittsburgh, -----
4913	E. Frank Coe's Columbian Fertilizer, --	I. W. Scott Co., Pittsburgh, -----
3497	E. Frank Coe's Columbian Fertilizer, --	G. M. Weaver, Fayette City, -----
3239	E. Frank Coe's Columbian Fertilizer, --	L. G. Williams, St. Johns, -----
4810	E. Frank Coe's Columbian Fertilizer, --	L. G. Williams, St. Johns, -----
3770	E. Frank Coe's Gold Brand Fertilizer, --	I. W. Scott Co., Pittsburgh, -----
3028	E. Frank Coe's Horse Shoe Fertilizer, --	Jacob Epting, Shoemakersville, -----
3011	E. Frank Coe's Red Brand Fertilizer, --	Alvin T. Brown, Nescopeck, -----
3773	E. Frank Coe's Red Brand Fertilizer, --	I. W. Scott Co., Pittsburgh, -----
4914	E. Frank Coe's Red Brand Fertilizer, --	I. W. Scott Co., Pittsburgh, -----
3076	Early Trucker Fertilizer, -----	Clarence Auten, Lewisburg, -----
3587	Early Trucker Fertilizer, -----	W. A. Bright, Greenville, -----
2686	Early Trucker Fertilizer, -----	George Kahl, South Oil City, -----
3602	Farmers' Friend Fertilizer, -----	Farmers' Supply Co., New Castle, -----
4152	Farmers' Friend Fertilizer, -----	Grove & Co., Brownston, -----
2627	Farmers' Friend Fertilizer, -----	J. R. Iddings, Mifflinburg, -----
4884	Farmers' Friend Fertilizer, -----	L. T. Lardley, Carmichaels, -----
3063	Farmers' Friend Fertilizer, -----	Joseph London, Cloe, -----
3871	Farmers' Friend Fertilizer, -----	Metzger Wright Co., Sheffield, -----
4632	Farmers' Friend Fertilizer, -----	Minner & Lamb, New Wilmington, -----
4432	Farmers' Friend Fertilizer, -----	J. M. Musser, Mifflintown, -----

FERTILIZERS—Continued.

NITROGEN.		PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
Found.	Guaranteed.	Total.		Available.		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
		Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	%	%	\$	
1.02	0.82	10.61	9.50	9.39	9.00	1.22	0.50	4.31	4.00	4.31	-----	24.50	4662
0.87	0.82	9.76	9.50	9.14	9.00	0.62	0.50	4.01	4.00	4.01	-----	25.30	3104
1.00	0.82	11.37	9.50	10.63	9.00	0.74	0.50	4.23	4.00	4.23	-----	22.25	4090
0.94	0.82	10.98	9.50	9.86	9.00	1.12	0.50	4.26	4.00	4.26	-----	-----	5001
0.88	0.82	9.87	9.50	9.19	9.00	0.68	0.50	4.16	4.00	4.16	-----	24.50	2959
0.98	0.82	10.69	9.50	9.63	9.00	1.06	0.50	4.26	4.00	4.26	-----	24.00	4815
0.96	0.82	9.75	9.50	9.23	9.00	0.52	0.50	4.00	4.00	4.00	-----	27.50	4864
0.96	0.82	9.62	9.50	8.90	9.00	0.72	0.50	4.19	4.00	3.50	0.69	28.50	4035
0.86	0.82	9.89	9.50	9.15	9.00	0.74	0.50	4.31	4.00	4.31	-----	30.00	4059
0.86	0.82	10.66	9.50	8.88	9.00	1.78	0.50	4.19	4.00	4.19	-----	32.00	4750
0.97	0.82	9.66	9.50	9.04	9.00	0.62	0.50	4.03	4.00	4.03	-----	32.00	2935
1.66	1.65	8.76	8.50	8.02	8.00	0.74	0.50	5.21	5.00	5.21	-----	24.50	2934
1.73	1.65	8.61	8.50	8.11	8.00	0.50	0.50	10.26	10.00	10.26	-----	27.50	2936
1.70	1.65	9.06	8.50	8.54	8.00	0.52	0.50	5.10	5.00	5.10	-----	28.00	2602
1.71	1.65	8.83	8.50	8.27	8.00	0.56	0.50	*4.77	5.00	4.77	-----	35.00	2568
1.72	1.65	8.75	8.50	8.09	8.00	0.66	0.50	5.23	5.00	5.23	-----	36.00	3608
1.81	1.65	8.93	8.50	8.29	8.00	0.64	0.50	4.92	5.00	4.92	-----	24.50	2828
1.69	1.65	9.40	8.50	8.92	8.00	0.48	0.50	5.04	5.00	5.04	-----	32.75	4961
1.66	1.65	8.75	8.50	8.13	8.00	0.62	0.50	5.01	5.00	5.01	-----	30.00	2687
1.77	1.65	9.12	8.50	8.10	8.00	1.02	0.50	4.93	5.00	4.93	-----	33.00	4635
1.73	1.65	9.08	8.50	8.52	8.00	0.56	0.50	5.01	5.00	5.01	-----	32.50	3788
1.82	1.65	8.67	8.50	8.05	8.00	0.62	0.50	5.72	5.00	5.72	-----	30.00	4170
1.82	1.65	9.22	8.50	8.02	8.00	1.20	0.50	5.26	5.00	4.70	0.56	33.00	4391
2.47	2.47	10.84	10.50	10.18	10.00	0.66	0.50	6.23	6.00	6.23	-----	36.50	3646
2.52	2.47	10.73	10.50	10.09	10.00	0.64	0.50	5.98	6.00	5.98	-----	30.75	4091
2.61	2.47	10.97	10.50	10.05	10.00	0.92	0.50	6.11	6.00	6.11	-----	30.50	3801
2.60	2.47	10.97	10.50	10.27	10.00	0.70	0.50	6.12	6.00	6.12	-----	33.80	2783
2.49	2.47	11.56	10.50	10.14	10.00	1.42	0.50	6.00	6.00	6.00	-----	33.50	4226
2.60	2.47	11.48	10.50	10.74	10.00	0.74	0.50	5.94	6.00	5.94	-----	33.50	3334
0.84	0.82	9.63	9.50	8.91	9.00	0.72	0.50	3.94	4.00	3.94	-----	21.86	2671
0.86	0.82	10.59	9.50	9.25	9.00	1.34	0.50	3.93	4.00	3.93	-----	24.00	4503
0.86	0.82	9.85	9.50	9.29	9.00	0.56	0.50	4.08	4.00	4.08	-----	26.00	2585
0.83	0.82	10.03	9.50	9.47	9.00	0.56	0.50	3.93	4.00	3.93	-----	25.00	2782
0.98	0.82	10.97	9.50	9.09	9.00	1.88	0.50	4.05	4.00	3.40	0.65	24.75	4597
0.98	0.82	10.26	9.50	9.32	9.00	0.94	0.50	4.16	4.00	3.20	0.96	25.05	4912
1.69	1.65	8.93	8.50	8.29	8.00	0.64	0.50	*9.65	10.00	9.65	-----	30.00	2673
1.71	1.65	9.06	8.50	8.30	8.00	0.76	0.50	10.09	10.00	10.09	-----	-----	3918
1.57	1.65	8.80	8.50	8.10	8.00	0.70	0.50	9.92	10.00	9.92	-----	34.00	2587
1.80	1.65	9.24	8.50	8.06	8.00	1.18	0.50	10.25	10.00	10.25	-----	33.00	4593
1.66	1.65	8.65	8.50	7.99	8.00	0.66	0.50	10.26	10.00	10.26	-----	31.82	3756
1.78	1.65	9.44	8.50	8.52	8.00	0.92	0.50	5.50	5.00	5.50	-----	33.00	4883
1.94	1.65	9.13	8.50	8.59	8.00	0.54	0.50	*4.78	5.00	4.78	-----	35.00	3771
1.86	1.65	9.03	8.50	8.41	8.00	0.62	0.50	6.32	5.00	6.32	-----	28.40	4913
1.88	1.65	8.67	8.50	8.05	8.00	0.62	0.50	5.03	5.00	5.03	-----	32.00	3497
1.69	1.65	8.80	8.50	8.26	8.00	0.54	0.50	5.35	5.00	5.35	-----	28.00	3239
1.80	1.65	8.83	8.50	8.03	8.00	0.80	0.50	5.20	5.00	5.20	-----	26.00	4810
2.70	2.47	11.63	10.50	10.87	10.00	0.76	0.50	6.61	6.00	6.61	-----	40.00	3770
1.72	1.65	9.83	9.50	9.29	9.00	0.54	0.50	3.09	3.00	3.09	-----	22.00	3028
3.43	3.29	8.87	8.50	8.33	8.00	0.54	0.50	7.16	7.00	7.16	-----	36.00	3011
3.35	3.29	8.95	8.50	8.43	8.00	0.52	0.50	*6.73	7.00	6.73	-----	42.50	3773
3.39	3.29	8.48	8.50	7.88	8.00	0.60	0.50	*6.76	7.00	6.76	-----	36.35	4914
4.04	4.11	8.85	8.50	8.27	8.00	0.58	0.50	5.15	5.00	5.15	-----	-----	3076
4.15	4.11	8.83	8.50	8.21	8.00	0.62	0.50	5.12	5.00	5.12	-----	50.00	3587
3.98	4.11	9.46	8.50	8.66	8.00	0.80	0.50	4.88	5.00	4.88	-----	45.00	2686
1.71	1.65	12.76	12.50	*11.72	12.00	1.04	0.50	4.39	4.00	3.70	0.69	33.00	3602
1.89	1.65	13.15	12.50	12.39	12.00	0.76	0.50	4.14	4.00	4.14	-----	25.75	4152
1.69	1.65	13.09	12.50	12.07	12.00	1.02	0.50	4.09	4.00	4.09	-----	27.50	2627
1.89	1.65	13.47	12.50	12.51	12.00	0.96	0.50	4.29	4.00	4.29	-----	36.00	4884
1.67	1.65	12.88	12.50	12.36	12.00	0.52	0.50	4.07	4.00	4.07	-----	30.40	3063
1.68	1.65	12.70	12.50	12.16	12.00	0.54	0.50	4.17	4.00	4.17	-----	40.00	3871
1.92	1.65	13.01	12.50	12.11	12.00	0.90	0.50	4.40	4.00	2.10	2.30	34.00	4632
1.71	1.65	12.95	12.50	11.99	12.00	0.96	0.50	4.00	4.00	3.00	1.00	30.00	4432

* Deficient.

TABLE III—COMPLETE

Chemist's number.	Name of Manufacturer and Brand	Samples Taken From
2989	Farmers' Friend Fertilizer, -----	Joseph Shero, Carrolltown, -----
4216	Farmers' Friend Fertilizer, -----	W. S. Sidler, Danville, -----
4508	Fish Brand, -----	E. S. Ferster, Richfield, -----
2630	Fish Brand, -----	J. R. Iddings, Mifflinburg, -----
4221	Fish Brand, -----	George B. Sterner, Dewart, -----
3384	Gladiator Fertilizer, -----	W. B. Barnitz, Carlisle, -----
2979	Gladiator Fertilizer, -----	H. N. Dilling, Martinsburg, -----
4580	Gladiator Fertilizer, -----	Clifford Graver, Leighton, -----
2625	Gladiator Fertilizer, -----	J. R. Iddings, Mifflinburg, -----
2742	Gladiator Fertilizer, -----	Sheehan Brothers, Landenberg, -----
3519	Gladiator Fertilizer, -----	C. J. Shuster, Delmont, -----
3105	Great Planet Double Strength Fertilizer, -----	L. A. Glessman, Conneautville, -----
4171	Great Planet Double Strength Fertilizer, -----	John D. Godshalk, Souderton, -----
2626	Great Planet Double Strength Fertilizer, -----	J. R. Iddings, Mifflinburg, -----
4399	Great Planet Double Strength Fertilizer, -----	Kline Grain Co., Shelocta, -----
3064	Great Planet Double Strength Fertilizer, -----	Joseph London, Cloe, -----
4561	Great Planet Double Strength Fertilizer, -----	F. E. Moulthrop, Conneautville, -----
4732	Great Planet Double Strength Fertilizer, -----	Paul Neff, Alexandria, -----
4036	Great Planet Double Strength Fertilizer, -----	Pollock Flour & Feed Co., Ford City, -----
3799	Great Planet Double Strength Fertilizer, -----	Robert Wigton, Franklinville, -----
4099	Great Planet Double Strength Fertilizer, -----	John Williams & Sons, White Haven, -----
4373	Great Planet Double Strength Fertilizer, -----	W. B. Winey & Son, Middleburg, -----
2768	Harvest Moon Fertilizer, -----	Maekey & Yerkes, Oxford, -----
4177	Hess Laurel Fertilizer, -----	George W. Cook, Lyndell, -----
4428	Hess Laurel Fertilizer, -----	J. M. Musser, Mifflintown, -----
4813	Hess Laurel Fertilizer, -----	Charles L. Tressler, Conyngham, -----
2632	Hess Little Treasure Fertilizer, -----	J. R. Iddings, Mifflinburg, -----
2909	Hess Little Treasure Fertilizer, -----	J. E. Jackson, Everett, -----
4431	Hess Little Treasure Fertilizer, -----	J. M. Musser, Mifflintown, -----
4172	Hess Money Maker Fertilizer, -----	John D. Godshalk, Souderton, -----
3332	Hess Money Maker Fertilizer, -----	Charles Tressler, Conyngham, -----
4426	Hess Possum Brand Fertilizer, -----	J. M. Musser, Mifflintown, -----
3447	Hess Possum Brand Fertilizer, -----	George B. Schweitzer, Leighton, -----
4814	Hess Possum Brand Fertilizer, -----	Charles L. Tressler, Conyngham, -----
3849	Hess Possum Brand Fertilizer, -----	W. A. Yost, New Ringgold, -----
3107	Homestead Fertilizer, -----	L. A. Glessman, Conneautville, -----
4562	Homestead Fertilizer, -----	E. L. Smith & Co., Union City, -----
3815	KKK Kangaroo Komplete Kompond, -----	Howard Creamery, Coburn, -----
3403	KKK Kangaroo Komplete Kompond, -----	Dillsburg Grain & Milling Co., Dillsburg, -----
4728	KKK Kangaroo Komplete Kompond, -----	M. H. Neff, Alexandria, -----
4939	KKK Kangaroo Komplete Kompond, -----	H. E. Newman, West Salisbury, -----
3083	KKK Kangaroo Komplete Kompond, -----	C. G. Yost, MeEwensville, -----
4346	KKK Kangaroo Komplete Kompond, -----	C. G. Yost, MeEwensville, -----
4157	Lanco Hi-Grade for Tobacco with Sulphate of Potash, -----	Grove & Co., Brownton, -----
4162	Lister's Early Bird Fertilizer, -----	Simpson Brothers, Norristown, -----
2767	Lister's G Brand Fertilizer, -----	Bunting Brothers, Oxford, -----
3728	Lister's G Brand Fertilizer, -----	Frey's Hardware Co., Muney, -----
3462	Lister's G Brand Fertilizer, -----	Mark Hoffman, New Tripoli, -----
4344	Lister's G Brand Fertilizer, -----	W. S. Savidge, Turbotville, -----
4128	Lister's G Brand Fertilizer, -----	W. H. Stoeck, New Oxford, -----
4270	Lister's Golden Crown Fertilizer, -----	Charles A. B. Boner, Montgomery, -----
3729	Lister's Golden Crown Fertilizer, -----	Frey's Hardware Co., Muney, -----
3363	Lister's Golden Crown Fertilizer, -----	Herman & Wetzel, Selinsgrove, -----
3948	Lister's Golden Crown Fertilizer, -----	E. S. Landis, Berlin, -----
4050	Lister's Golden Crown Fertilizer, -----	Reuben Yoder, Belleville, -----
4343	Lister's Golden Crown Fertilizer, -----	W. S. Savidge, Turbotville, -----
4164	Lister's Golden Crown Fertilizer, -----	Simpson Brothers, Norristown, -----
4526	Lister's Golden Crown Fertilizer, -----	R. K. Yoder, Belleville, -----
2766	Lister's Harvest Queen Fertilizer, -----	Bunting Brothers, Oxford, -----
5002	Lister's Harvest Queen Fertilizer, -----	C. E. Gobrecht, Hanover, -----
3075	Lister's Harvest Queen Fertilizer, -----	Mifflinburg Milling Co., Mifflinburg, -----

FERTILIZERS—Continued.

NITROGEN.		PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
Found.	Guaranteed.	Total.		Available.		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
		Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	%	%	\$	
1.72	1.65	13.39	12.50	12.29	12.00	1.10	0.50	3.94	4.00	3.94	-----	34.00	2989
1.78	1.65	13.29	12.50	12.17	12.00	1.12	0.50	4.24	4.00	4.24	-----	28.90	4216
1.68	1.65	10.46	9.50	*8.40	9.00	2.06	0.50	3.05	3.00	3.05	-----	30.00	4508
1.65	1.65	10.33	9.50	9.41	9.00	0.92	0.50	3.17	3.00	3.17	-----	24.50	2630
1.68	1.65	10.61	9.50	*8.03	9.00	2.58	0.50	3.12	3.00	3.12	-----	26.00	4221
3.18	3.29	9.11	8.50	8.45	8.00	0.66	0.50	7.12	7.00	7.12	-----	35.00	3384
*3.06	3.29	8.52	8.50	8.06	8.00	0.46	0.50	7.06	7.00	7.06	-----	36.50	2979
3.57	3.29	9.46	8.50	8.88	8.00	0.58	0.50	7.02	7.00	7.02	-----	45.80	4580
3.25	3.29	8.50	8.50	8.14	8.00	0.36	0.50	7.35	7.00	7.35	-----	33.00	2625
3.33	3.29	8.53	8.50	8.19	8.00	0.34	0.50	7.70	7.00	7.70	-----	33.00	2742
3.18	3.29	8.55	8.50	8.05	8.00	0.50	0.50	6.93	7.00	6.93	-----	36.00	3519
1.67	1.65	16.48	16.50	*15.76	16.00	0.72	0.50	8.79	8.00	8.79	-----	37.95	3 05
1.75	1.65	16.90	16.50	16.44	16.00	0.46	0.50	8.00	8.00	8.00	-----	37.50	4171
1.90	1.65	16.52	16.50	16.28	16.00	0.24	0.50	8.05	8.00	8.05	-----	34.25	2626
1.85	1.65	16.71	16.50	15.91	16.00	0.80	0.50	8.62	8.00	8.62	-----	41.00	4399
1.72	1.65	16.84	16.50	*15.62	16.00	1.22	0.50	*7.61	8.00	7.61	-----	37.45	3064
1.91	1.65	16.97	16.50	16.63	16.00	0.34	0.50	7.86	8.00	7.30	0.56	39.45	4561
1.81	1.65	16.79	16.50	16.09	16.00	0.70	0.50	8.50	8.00	8.50	-----	47.32	4732
1.85	1.65	17.56	16.50	16.48	16.00	1.08	0.50	*7.39	8.00	4.60	2.79	41.50	4036
2.11	1.65	15.52	16.50	*15.12	16.00	0.40	0.50	*7.05	8.00	6.70	0.35	-----	3799
1.81	1.65	16.34	16.50	16.02	16.00	0.32	0.50	8.24	8.00	8.24	-----	37.90	4099
1.90	1.65	17.09	16.50	16.77	16.00	0.32	0.50	7.97	8.00	7.97	-----	38.70	4373
3.46	3.29	8.71	8.50	8.19	8.00	0.52	0.50	5.85	6.00	5.85	-----	34.00	2768
1.77	1.65	9.13	8.50	8.17	8.00	0.96	0.50	*4.75	5.00	4.75	-----	25.00	4177
1.67	1.65	9.01	8.50	8.05	8.00	0.96	0.50	4.94	5.00	4.94	-----	27.50	4428
1.72	1.65	9.21	8.50	8.27	8.00	0.94	0.50	5.46	5.00	5.46	-----	26.40	4813
0.83	0.82	9.83	9.50	9.07	9.00	0.76	0.50	3.83	4.00	3.83	-----	23.25	2632
0.85	0.82	9.64	9.50	9.14	9.00	0.50	0.50	4.17	4.00	4.17	-----	25.00	2909
1.00	0.82	10.89	9.50	9.05	9.00	1.84	0.50	4.05	4.00	4.05	-----	23.50	4431
3.34	3.29	8.95	8.50	8.37	8.00	0.58	0.50	7.25	7.00	7.25	-----	35.90	4172
3.45	3.29	8.84	8.50	8.14	8.00	0.70	0.50	7.24	7.00	2.30	4.94	35.00	3332
1.71	1.65	9.69	8.50	8.17	8.00	1.52	0.50	9.81	10.00	9.81	-----	30.00	4426
1.81	1.65	8.74	8.50	8.02	8.00	0.72	0.50	*9.60	10.00	9.60	-----	31.00	3447
1.65	1.65	9.26	8.50	8.58	8.00	0.68	0.50	9.83	10.00	9.83	-----	48.14	4814
1.77	1.65	8.73	8.50	7.97	8.00	0.76	0.50	10.52	10.00	10.52	-----	31.00	3849
1.72	1.65	13.65	12.50	12.59	12.00	1.06	0.50	2.48	2.00	2.48	-----	29.05	3107
1.58	1.65	12.85	12.50	12.35	12.00	0.50	0.50	2.74	2.00	2.74	-----	34.50	4562
1.93	1.65	9.85	9.50	9.29	9.00	0.56	0.50	3.03	3.00	3.03	-----	26.75	3815
1.77	1.65	10.65	9.50	9.73	9.00	0.92	0.50	3.55	3.00	3.55	-----	34.03	3403
1.67	1.65	10.63	9.50	8.81	9.00	1.82	0.50	3.05	3.00	2.00	1.05	-----	4728
1.81	1.65	10.80	9.50	9.12	9.00	1.68	0.50	3.02	3.00	3.02	-----	29.00	4939
1.72	1.65	10.41	9.50	9.11	9.00	1.30	0.50	3.19	3.00	3.19	-----	24.00	3083
1.79	1.65	10.63	9.50	*7.90	9.00	2.73	0.50	3.10	3.00	3.10	-----	24.40	4346
3.38	3.29	6.06	5.50	5.52	5.00	0.54	0.50	6.29	6.00	-----	6.29	30.50	4157
3.44	3.29	9.31	8.50	8.57	8.00	0.74	0.50	6.89	7.00	6.89	-----	37.25	4162
0.98	0.82	10.05	9.50	9.23	9.00	0.82	0.50	4.03	4.00	4.03	-----	23.00	2767
0.85	0.82	9.95	9.50	9.11	9.00	0.84	0.50	4.09	4.00	4.09	-----	18.80	3728
1.08	0.82	10.40	9.50	9.26	9.00	1.14	0.50	4.09	4.00	4.09	-----	25.00	3462
1.01	0.82	10.59	9.50	9.55	9.00	1.04	0.50	4.04	4.00	4.04	-----	26.00	4344
0.95	0.82	10.26	9.50	9.56	9.00	0.70	0.50	4.08	4.00	4.08	-----	23.00	4128
1.71	1.65	9.44	8.50	8.38	8.00	1.06	0.50	9.93	10.00	9.93	-----	30.00	4270
1.82	1.65	9.22	8.50	8.54	8.00	0.68	0.50	*9.59	10.00	9.59	-----	26.50	3729
1.93	1.65	8.99	8.50	8.17	8.00	0.82	0.50	*9.38	10.00	9.38	-----	32.50	3363
1.68	1.65	8.60	8.50	7.92	8.00	0.68	0.50	10.91	10.00	10.91	-----	32.00	3948
1.91	1.65	8.90	8.50	8.30	8.00	0.60	0.50	10.80	10.00	10.80	-----	40.50	4050
1.78	1.65	9.26	8.50	8.22	8.00	1.04	0.50	10.05	10.00	10.05	-----	33.00	4343
1.73	1.65	8.56	8.50	8.00	8.00	0.56	0.50	*9.56	10.00	9.56	-----	33.40	4164
1.65	1.65	9.07	8.50	7.91	8.00	1.16	0.50	10.46	10.00	10.46	-----	32.00	4526
1.73	1.65	9.31	8.50	8.51	8.00	0.80	0.50	4.98	5.00	4.98	-----	25.00	2766
1.78	1.65	9.53	8.50	8.19	8.00	1.34	0.50	4.97	5.00	4.97	-----	50.02	5002
1.65	1.65	9.01	8.50	8.01	8.00	1.00	0.50	5.00	5.00	5.00	-----	25.40	3075

* Deficient.

TABLE III—COMPLETE

Chemist's number.	Name of Manufacturer and Brand		Samples Taken From	
4058	Lister's	Harvest Queen Fertilizer, -----	Reed Estate, Philipsburg, -----	
4342	Lister's	Harvest Queen Fertilizer, -----	W. S. Savidge, Turbotville, -----	
4131	Lister's	Harvest Queen Fertilizer, -----	W. H. Stock, New Oxford, -----	
3821	Lister's	Harvest Queen Fertilizer, -----	R. K. Yoder, Belleville, -----	
4525	Lister's	Harvest Queen Fertilizer, -----	R. K. Yoder, Belleville, -----	
4473	Lister's	Sovereign Fertilizer, -----	J. C. Boyer, Pillow, -----	
2981	Lister's	Sovereign Fertilizer, -----	H. N. Dilling, Martinsburg, -----	
4049	Lister's	Sovereign Fertilizer, -----	Reuben Yoder, Belleville, -----	
2980	Lister's	Squirrel Brand Fertilizer, -----	H. N. Dilling, Martinsburg, -----	
3364	Lister's	Squirrel Brand Fertilizer, -----	Herman & Wetzel, Selinsgrove, -----	
3798	Lister's	Squirrel Brand Fertilizer, -----	Roy Peterson, Franklinville, -----	
4129	Lister's	Squirrel Brand Fertilizer, -----	W. H. Stock, New Oxford, -----	
4318	Lister's	Squirrel Brand Fertilizer, -----	R. K. Yoder, Belleville, -----	
3731	Lister's	Success Fertilizer, -----	Frey's Hardware Co., Muncy, -----	
3459	Lister's	Success Fertilizer, -----	Jacob Groh, Lickdale, -----	
3353	Lister's	Success Fertilizer, -----	B. H. Levan, Numidia, -----	
4163	Lister's	Success Fertilizer, -----	Simpson Brothers, Norristown, -----	
4132	Lister's	Success Fertilizer, -----	W. H. Stock, New Oxford, -----	
2603	Old Hickory	Fertilizer, -----	J. B. Andersons Sons, Shickshinny, -----	
3182	Old Hickory	Fertilizer, -----	Roy J. Dunham, Wellsboro, -----	
4509	Old Hickory	Fertilizer, -----	E. S. Ferster, Richfield, -----	
4151	Old Hickory	Fertilizer, -----	Grove & Co., Brownston, -----	
3488	Old Hickory	Fertilizer, -----	J. Walter Hayner, West Decatur, -----	
2685	Old Hickory	Fertilizer, -----	George Kahl, South Oil City, -----	
3596	Old Hickory	Fertilizer, -----	J. J. Kennedy & Sons, Zelienople, -----	
2758	Old Hickory	Fertilizer, -----	John H. Kimble, Elk View, -----	
4756	Old Hickory	Fertilizer, -----	Henry Leshar, Strausstown, -----	
4560	Old Hickory	Fertilizer, -----	F. E. Moulthrop, Conneantville, -----	
2807	Old Hickory	Fertilizer, -----	N. O. Reichard, Danville, -----	
4215	Old Hickory	Fertilizer, -----	W. S. Sidler, Danville, -----	
2886	Patapasco	Big Chief Fertilizer, -----	E. F. England, Bedford, -----	
4907	Patapasco	Big Chief Fertilizer, -----	Hillegas Brothers, Buffalo Mills, -----	
4140	Patapasco	Big Chief Fertilizer, -----	D. E. Schwartz, Gettysburg, -----	
4364	Patapasco	Big Chief Fertilizer, -----	J. P. Walters, Vicksburg, -----	
2566	Patapasco	Coon Brand Fertilizer, -----	Farmers' Exchange, Indiana, -----	
3595	Patapasco	Coon Brand Fertilizer, -----	J. J. Kennedy & Sons, Zelienople, -----	
4954	Patapasco	Coon Brand Fertilizer, -----	J. J. Kennedy & Sons, Zelienople, -----	
4872	Patapasco	Coon Brand Fertilizer, -----	R. J. Mather, Cannonsburg, -----	
3499	Patapasco	Coon Brand Fertilizer, -----	Russell Brothers, Washington, -----	
3959	Patapasco	Coon Brand Fertilizer, -----	Wilson Schrock, Somerset, -----	
4138	Patapasco	Coon Brand Fertilizer, -----	D. E. Schwartz, Gettysburg, -----	
3077	Patapasco	Coon Brand Fertilizer, -----	J. P. Walters, Vicksburg, -----	
4262	Patapasco	Coon Brand Fertilizer, -----	J. P. Walters, Vicksburg, -----	
3647	Pioneer	Fertilizer, -----	H. F. Gelbach, Evans City, -----	
4644	Pioneer	Fertilizer, -----	J. R. Houston, Harrisville, -----	
4390	Pioneer	Fertilizer, -----	C. J. Sehuster, Delmont, -----	
3952	Red Dog	Fertilizer, -----	H. C. Beerits Sons, Somerset, -----	
4417	Red Dog	Fertilizer, -----	Ewing & Kinsloe, Newton Hamilton, -----	
2780	Red Dog	Fertilizer, -----	John H. Roth, West Hamburg, -----	
4592	Red Dog	Fertilizer, -----	John H. Roth, West Hamburg, -----	
2743	Red Dog	Fertilizer, -----	Sheehan Brothers, Landenberg, -----	
4581	Red Dog	Fertilizer, -----	Sheehan Brothers, Landenberg, -----	
4220	Red Dog	Fertilizer, -----	W. S. Sidler, Danville, -----	
4656	Red Dog	Fertilizer, -----	F. P. Waite, Tyrone, -----	
3955	Red Dragon	Fertilizer, -----	H. C. Beerits Sons Somerset, -----	
3406	Red Dragon	Fertilizer, -----	Dillsburg Grain & Milling Co., Dillsburg, -----	
4938	Red Dragon	Fertilizer, -----	H. E. Newman, West Salisbury, -----	
4064	Red Dragon	Fertilizer, -----	G. W. Radle, Mt. Union, -----	
4424	Red Dragon	Fertilizer, -----	C. W. Sausman, Thompsonstown, -----	
4336	Red Dragon	Fertilizer, -----	H. A. Snyder, Strawberry Ridge, -----	
3079	Red Dragon	Fertilizer, -----	J. P. Walters, Vicksburg, -----	
4260	Sweepstake	Fertilizer, -----	Chas. A. B. Boner, Montgomery, -----	

FERTILIZERS—Continued.

NITROGEN.		PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
Found.	Guaranteed.	Total.		Available.		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
		Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	%	%	\$	
1.80	1.65	8.50	8.50	7.94	8.00	0.56	0.50	4.97	5.00	4.97	-----	34.00	4058
1.87	1.65	9.26	8.50	8.34	8.00	0.92	0.50	5.02	5.00	5.02	-----	31.00	4342
1.77	1.65	9.36	8.50	8.54	8.00	0.82	0.50	5.07	5.00	5.07	-----	25.00	4131
1.68	1.65	8.97	8.50	8.19	8.00	0.78	0.50	5.19	5.00	5.19	-----	25.00	3821
1.68	1.65	9.83	8.50	8.95	8.00	0.88	0.50	5.29	5.00	5.29	-----	28.40	4525
1.77	1.65	13.52	12.50	12.22	12.00	1.30	0.50	4.12	4.00	4.12	-----	-----	4473
1.70	1.65	13.18	12.50	12.10	12.00	1.08	0.50	4.16	4.00	4.16	-----	29.50	2981
1.67	1.65	12.96	12.50	11.84	12.00	1.12	0.50	4.04	4.00	4.04	-----	25.00	4049
2.50	2.47	10.78	10.50	10.24	10.00	0.54	0.50	5.84	6.00	5.84	-----	34.00	2980
2.54	2.47	10.87	10.50	10.23	10.00	0.64	0.50	*5.76	6.00	5.76	-----	32.75	3364
2.66	2.47	10.63	10.50	9.93	10.00	0.70	0.50	6.17	6.00	6.17	-----	33.00	3798
2.74	2.47	10.73	10.50	10.13	10.00	0.60	0.50	6.21	6.00	6.21	-----	31.50	4129
2.74	2.47	11.66	10.50	10.30	10.00	1.36	0.50	5.96	6.00	5.96	-----	26.00	4318
1.67	1.65	10.01	9.50	9.19	9.00	0.82	0.50	3.10	3.00	3.10	-----	24.50	3731
2.02	1.65	10.37	9.50	9.31	9.00	1.06	0.50	3.35	3.00	3.35	-----	29.00	3459
1.72	1.65	9.71	9.50	9.09	9.00	0.62	0.50	3.12	3.00	3.12	-----	24.00	3353
1.81	1.65	9.52	9.50	8.82	9.00	0.70	0.50	3.10	3.00	3.10	-----	26.40	4163
1.68	1.65	9.90	9.50	*8.64	9.00	1.26	0.50	3.24	3.00	3.24	-----	27.25	4132
1.68	1.65	9.11	8.50	8.41	8.00	0.70	0.50	9.93	10.00	9.93	-----	31.25	2603
1.81	1.65	9.21	8.50	8.51	8.00	0.70	0.50	*8.67	10.00	8.67	-----	32.00	3182
1.66	1.65	9.22	8.50	8.18	8.00	1.04	0.50	10.13	10.00	10.13	-----	35.50	4509
1.65	1.65	8.80	8.50	7.96	8.00	0.84	0.50	10.38	10.00	10.38	-----	26.75	4151
1.80	1.65	8.67	8.50	8.21	8.00	0.46	0.50	*8.44	10.00	8.44	-----	36.00	3488
1.86	1.65	8.89	8.50	8.41	8.00	0.48	0.50	*9.67	10.00	9.67	-----	36.00	2635
1.68	1.65	8.50	8.50	8.00	8.00	0.50	0.50	10.08	10.00	10.08	-----	34.00	3596
1.68	1.65	8.76	8.50	8.10	8.00	0.66	0.50	9.87	10.00	9.87	-----	28.00	2758
1.75	1.65	9.41	8.50	8.11	8.00	1.30	0.50	10.74	10.00	10.74	-----	-----	4756
1.82	1.65	9.29	8.50	8.93	8.00	0.36	0.50	10.20	10.00	10.20	-----	34.50	4560
1.80	1.65	8.65	8.50	8.03	8.00	0.62	0.50	*9.68	10.00	9.68	-----	29.70	2807
1.81	1.65	9.44	8.50	8.58	8.00	0.86	0.50	9.86	10.00	9.86	-----	30.90	4215
1.85	1.65	9.31	8.50	8.55	8.00	0.76	0.50	4.91	5.00	4.91	-----	30.00	2886
1.65	1.65	9.20	8.50	8.02	8.00	1.18	0.50	*4.79	5.00	4.79	-----	30.00	4907
1.84	1.65	9.39	8.50	8.47	8.00	0.92	0.50	5.06	5.00	5.06	-----	25.50	4140
1.84	1.65	9.01	8.50	8.13	8.00	0.88	0.50	5.26	5.00	5.26	-----	27.75	4364
0.79	0.82	11.21	9.50	10.61	9.00	0.63	0.50	*3.38	4.00	3.38	-----	30.36	2566
0.93	0.82	10.38	9.50	9.56	9.00	0.82	0.50	4.57	4.00	4.57	-----	26.25	3595
0.97	0.82	10.73	9.50	9.99	9.00	0.74	0.50	4.42	4.00	3.60	0.82	26.00	4954
1.01	0.82	10.20	9.50	9.48	9.00	0.72	0.50	3.91	4.00	2.60	1.31	30.00	4872
1.02	0.82	10.20	9.50	9.38	9.00	0.82	0.50	3.93	4.00	3.93	-----	30.00	3499
1.00	0.82	10.18	9.50	9.60	9.00	0.58	0.50	4.31	4.00	4.31	-----	24.00	3959
0.89	0.82	10.08	9.50	9.38	9.00	0.70	0.50	4.09	4.00	4.09	-----	22.50	4138
0.93	0.82	10.28	9.50	9.64	9.00	0.64	0.50	4.19	4.00	4.19	-----	24.00	3077
0.88	0.82	10.46	9.50	9.42	9.00	1.04	0.50	4.00	4.00	4.00	-----	24.50	4362
1.67	1.65	9.72	9.50	9.06	9.00	0.66	0.50	3.41	3.00	3.41	-----	28.50	2647
1.87	1.65	9.77	9.50	9.27	9.00	0.50	0.50	2.85	3.00	2.10	0.75	30.00	4644
1.87	1.65	9.83	9.50	9.23	9.00	0.60	0.50	3.42	3.00	2.40	1.02	32.00	4390
1.47	1.65	9.62	8.50	8.76	8.00	0.86	0.50	*4.63	5.00	4.63	-----	27.00	3952
1.77	1.65	9.32	8.50	8.22	8.00	1.10	0.50	5.05	5.00	5.05	-----	29.75	4417
1.88	1.65	9.18	8.50	8.42	8.00	0.76	0.50	*4.77	5.00	4.77	-----	28.40	2780
1.70	1.65	9.13	8.50	7.85	8.00	1.28	0.50	5.09	5.00	5.09	-----	28.00	4592
1.72	1.65	8.80	8.50	8.28	8.00	0.52	0.50	*4.62	5.00	4.62	-----	26.00	2743
1.67	1.65	8.93	8.50	8.25	8.00	0.68	0.50	5.05	5.00	5.05	-----	28.00	4951
1.69	1.65	9.38	8.50	7.96	8.00	1.42	0.50	5.16	5.00	5.16	-----	26.55	4220
1.66	1.65	9.69	8.50	*7.79	8.00	1.90	0.50	5.18	5.00	5.18	-----	29.00	4656
1.91	1.65	13.19	12.50	12.45	12.00	0.74	0.50	2.34	2.00	2.34	-----	27.00	3955
1.83	1.65	12.72	12.50	11.90	12.00	0.82	0.50	2.33	2.00	2.33	-----	-----	3406
1.76	1.65	14.32	12.50	12.58	12.00	1.74	0.50	2.19	2.00	2.19	-----	34.00	4938
1.83	1.65	13.81	12.50	12.79	12.00	1.02	0.50	2.56	2.00	2.56	-----	30.00	4064
1.72	1.65	14.23	12.50	12.19	12.00	2.04	0.50	2.10	2.00	1.30	0.80	27.00	4424
1.83	1.65	13.83	12.50	*11.73	12.00	2.10	0.50	2.14	2.00	2.14	-----	27.75	4336
1.72	1.65	12.76	12.50	12.02	12.00	0.74	0.50	2.38	2.00	2.38	-----	27.00	3079
1.77	1.65	11.65	10.50	10.27	10.00	1.38	0.50	5.88	6.00	5.88	-----	28.50	4260

* Deficient.

TABLE III—COMPLETE

Chemist's number.	Name of Manufacturer and Brand		Samples Taken From	
3916	The Pathfinder Fertilizer,	-----	Vincent Huber, Patton,	-----
4051	The Pathfinder Fertilizer,	-----	J. Harvey Scott, Petersburg,	-----
3377	The Pathfinder Fertilizer,	-----	W. B. Winey & Son, Middleburg,	-----
2631	Top Dresser Fertilizer,	-----	J. R. Iddings, Mifflinburg,	-----
2567	Two in One Fertilizer,	-----	Farmers' Exchange, Indiana,	-----
4582	Two in One Fertilizer,	-----	Clifford Graver, Lehighton,	-----
4397	Two in One Fertilizer,	-----	Kline Grain Co., Sheloeta,	-----
3347	Two in One Fertilizer,	-----	Wm. Krause, Dallas,	-----
3319	Two in One Fertilizer,	-----	W. O. Rearick, Milroy,	-----
2805	Two in One Fertilizer,	-----	N. O. Reiehard, Danville,	-----
4386	Two in One Fertilizer,	-----	E. J. Welch, Plumville,	-----
AMERICAN CHEMICAL SPECIALTIES				
CO., INC., SPRINGFIELD, N. J.				
3207	Springfield Carnation Food,	-----	H. F. Michells Co., Philadelphia,	-----
3216	Springfield Rose Food,	-----	Henry A. Dreer, Inc., Philadelphia,	-----
ARMOUR FERTILIZER WORKS,				
BALTIMORE, MD.				
4294	Armour's Big Crop 1-9-4 Fertilizer,	----	D. E. Bergstresser, Port Royal,	-----
4358	Armour's Big Crop 1-9-4 Fertilizer,	----	D. Luther Bogenrief, Mifflinburg,	-----
4453	Armour's Big Crop 1-9-4 Fertilizer,	----	McConnell Brothers, Hughesville,	-----
2853	Armour's Big Crop 1-9-4 Fertilizer,	----	M. J. Schill Co., Marble,	-----
3533	Armour's Big Crop 1-9-4 Fertilizer,	----	A. J. Steele, Latrobe,	-----
2926	Armour's Big Crop 1-9-4 Fertilizer,	----	J. H. Stoler, Saxton,	-----
4650	Armour's Big Crop 1-9-4 Fertilizer,	----	L. P. Swope & Co., Duncansville,	-----
4086	Armour's Big Crop 1-9-4 Fertilizer,	----	West Manheim Farmers' Association, Hanover,	-----
4438	Armour's Big Crop 2-8-5 Fertilizer,	----	D. E. Bergstresser, Port Royal,	-----
2761	Armour's Big Crop 2-8-5 Fertilizer,	----	R. C. Fairlamb & Sons, Brandywine	-----
4890	Armour's Big Crop 2-8-5 Fertilizer,	----	Summit,	-----
2844	Armour's Big Crop 2-8-5 Fertilizer,	----	Fayette Farmers' Supply, Uniontown,	-----
2831	Armour's Big Crop 2-8-5 Fertilizer,	----	Heffner & Luckenbill, Friedensburg,	-----
4529	Armour's Big Crop 2-8-5 Fertilizer,	----	Hibner-Hoover Hardware Co., DuBois,	-----
4629	Armour's Big Crop 2-8-5 Fertilizer,	----	Hibner-Hoover Hardware Co., DuBois,	-----
4110	Armour's Big Crop 2-8-5 Fertilizer,	----	Moore & Moore, Portersville,	-----
4835	Armour's Big Crop 2-8-5 Fertilizer,	----	O. M. Spetteguez, Honesdale,	-----
3427	Armour's Big Crop 2-8-5 Fertilizer,	----	Steel's Store, Latrobe,	-----
4083	Armour's Big Crop 2-8-5 Fertilizer,	----	Valley Coal Co., Sayre,	-----
3383	Armour's Big Crop 2-8-10 Fertilizer,	----	West Manheim Farmers' Association, Hanover,	-----
4863	Armour's Big Crop 2-8-10 Fertilizer,	----	W. B. Barnitz, Carlisle,	-----
2832	Armour's Big Crop 2-8-10 Fertilizer,	----	C. L. Carnely, Madera,	-----
4062	Armour's Big Crop 2-8-10 Fertilizer,	----	Hibner-Hoover Hardware Co., DuBois,	-----
2747	Armour's Big Crop 2-8-10 Fertilizer,	----	J. T. Kephart & Son, Philipsburg,	-----
2553	Armour's Big Crop 2-8-10 Fertilizer,	----	H. Schmaltz & Co., Kennett Square,	-----
4085	Armour's Big Crop 2-8-10 Fertilizer,	----	L. B. Weller, Ligonier,	-----
3412	Armour's Big Crop 2-8-10 Fertilizer,	----	West Manheim Farmers' Association, Hanover,	-----
3900	Armour's Big Crop 2-12-2 Fertilizer,	----	A. E. Woodruff, Wysox,	-----
4868	Armour's Big Crop 2-12-2 Fertilizer,	----	W. H. Dunlap, Jr., Cannonsburg,	-----
2606	Armour's Big Crop 2-12-4 Fertilizer,	----	W. H. Dunlap, Jr., Cannonsburg,	-----
3616	Armour's Big Crop 2-12-4 Fertilizer,	----	D. Luther Bogenrief, Mifflinburg,	-----
4630	Armour's Big Crop 2-12-4 Fertilizer,	----	Moore & Moore, Portersville,	-----
4654	Armour's Big Crop 2-12-4 Fertilizer,	----	Moore & Moore, Portersville,	-----
2876	Armour's Big Crop 2-12-4 Fertilizer,	----	Orr & Grazier, Tyrone,	-----
4900	Armour's Big Crop 2-12-4 Fertilizer,	----	Levi Stautnour, Roaring Springs,	-----
2660	Armour's Big Crop 2-16-8 Fertilizer,	----	T. J. Stone, Entringen,	-----
3172	Armour's Big Crop 2-16-8 Fertilizer,	----	D. Luther Bogenrief, Mifflinburg,	-----
3976	Armour's Big Crop 2-16-8 Fertilizer,	----	Devling Brothers, Galeton,	-----
			E. F. Dumin, Spangler,	-----

FERTILIZERS—Continued.

NITROGEN.		PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
Found.	Guaranteed.	Total.		Available.		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
		Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	%	%	\$	
3.31	3.29	12.68	12.50	11.82	12.00	0.86	0.50	4.75	4.00	4.75	-----	36.00	3916
3.61	3.29	13.02	12.50	12.24	12.00	0.78	0.50	4.15	4.00	4.15	-----	-----	4051
3.51	3.29	12.90	12.50	11.90	12.00	1.00	0.50	4.54	4.00	4.54	-----	35.00	3377
*7.66	8.23	6.20	5.50	6.00	5.00	0.50	0.50	2.33	2.00	2.33	-----	43.50	2631
3.25	3.29	15.02	16.50	*14.35	16.00	0.67	0.50	4.77	4.00	4.77	-----	46.50	2567
3.29	3.29	17.14	16.50	16.62	16.00	0.52	0.50	4.16	4.00	4.16	-----	-----	4582
3.46	3.29	17.54	16.50	16.52	16.00	1.02	0.50	4.06	4.00	3.50	0.56	44.00	4397
3.41	3.29	16.86	16.50	16.00	16.00	0.86	0.50	4.31	4.00	4.31	-----	40.00	3347
3.35	3.29	17.11	16.50	16.65	16.00	0.46	0.50	4.71	4.00	4.71	-----	37.00	3819
3.30	3.29	14.40	16.50	*13.57	16.00	0.83	0.50	4.65	4.00	4.65	-----	38.00	2805
*2.95	3.29	17.00	16.50	16.10	16.00	0.90	0.50	3.84	4.00	3.40	0.44	41.00	4386
2.42	1.97 3.29 to	13.01	†8.00	7.21	†3.25	5.80	4.75	5.39	3.50	5.39	-----	68.00	3207
3.77	4.93	10.64	†10-11	9.21	†5-6	1.43	5-5	2.54	2-3	2.54	-----	†-----	3216
0.98	0.82	9.46	9.50	9.00	9.00	0.46	0.50	4.11	4.00	4.11	-----	25.00	4294
0.97	0.82	9.86	9.50	9.28	9.00	0.58	0.50	4.36	4.00	4.36	-----	23.85	4358
1.08	0.82	9.44	9.50	9.22	9.00	0.22	0.50	3.85	4.00	3.85	-----	25.00	4453
1.03	0.82	9.18	9.50	9.02	9.00	0.16	0.50	4.24	4.00	4.24	-----	25.55	2853
0.95	0.82	9.46	9.50	9.02	9.00	0.44	0.50	*3.77	4.00	3.77	-----	26.00	3533
0.85	0.82	9.24	9.50	9.06	9.00	0.18	0.50	4.39	4.00	4.39	-----	26.00	2926
1.02	0.82	10.01	9.50	9.47	9.00	0.54	0.50	4.06	4.00	4.06	-----	27.50	4650
1.05	0.82	9.63	9.50	9.39	9.00	0.24	0.50	4.24	4.00	4.24	-----	40.00	4086
1.76	1.65	8.88	8.50	8.48	8.00	0.40	0.50	5.09	5.00	5.09	-----	28.00	4438
1.76	1.65	8.18	8.50	8.06	8.00	0.12	0.50	5.40	5.00	5.40	-----	27.50	2761
1.87	1.65	9.10	8.50	8.14	8.00	0.96	0.50	5.40	5.00	5.40	-----	32.00	4890
1.81	1.65	8.42	8.50	8.14	8.00	0.28	0.50	5.10	5.00	5.10	-----	30.00	3844
1.73	1.65	8.21	8.50	7.97	8.00	0.24	0.50	5.12	5.00	5.12	-----	33.50	2831
1.71	1.65	8.42	8.50	8.20	8.00	0.22	0.50	4.97	5.00	4.97	-----	30.50	4529
1.71	1.65	8.55	8.50	8.31	8.00	0.24	0.50	5.55	5.00	5.55	-----	30.00	4629
1.75	1.65	8.16	8.50	7.90	8.00	0.26	0.50	5.00	5.00	5.00	-----	34.50	4110
1.94	1.65	9.34	8.50	9.00	8.00	0.34	0.50	5.31	5.00	5.31	-----	35.50	4835
1.72	1.65	7.65	8.50	*7.56	8.00	0.09	0.50	5.39	5.00	5.39	-----	29.40	3427
1.83	1.65	8.93	8.50	8.69	8.00	0.24	0.50	5.01	5.00	5.01	-----	-----	4083
1.72	1.65	8.98	8.50	8.54	8.00	0.44	0.50	*7.92	10.00	7.92	-----	29.00	3383
1.69	1.65	8.64	8.50	8.12	8.00	0.52	0.50	10.91	10.00	10.91	-----	40.00	4863
1.59	1.65	8.51	8.50	8.21	8.00	0.30	0.50	*9.58	10.00	9.58	-----	35.00	2832
2.07	1.65	8.94	8.50	8.68	8.00	0.26	0.50	*8.65	10.00	8.65	-----	35.00	4062
1.68	1.65	9.19	8.50	8.85	8.00	0.34	0.50	*9.66	10.00	3.30	6.36	31.25	2747
1.83	1.65	9.04	8.50	7.96	8.00	1.08	0.50	*8.04	10.00	8.04	-----	35.00	2553
1.79	1.65	8.43	8.50	8.25	8.00	0.18	0.50	10.24	10.00	10.24	-----	-----	4085
1.73	1.65	8.61	8.50	8.15	8.00	0.46	0.50	9.82	10.00	9.82	-----	30.00	3412
1.83	1.65	12.48	12.50	11.94	12.00	0.54	0.50	2.41	2.00	2.41	-----	30.00	3900
1.66	1.65	13.14	12.50	12.68	12.00	0.46	0.50	2.23	2.00	2.23	-----	32.00	4868
1.67	1.65	12.42	12.50	12.12	12.00	0.30	0.50	4.05	4.00	4.05	-----	28.75	2666
1.53	1.65	12.13	12.50	11.85	12.00	0.28	0.50	4.45	4.00	4.45	-----	31.50	3616
1.73	1.65	13.16	12.50	12.40	12.00	0.76	0.50	4.33	4.00	4.33	-----	32.50	4630
1.84	1.65	13.23	12.50	12.49	12.00	0.74	0.50	4.23	4.00	4.23	-----	33.70	4654
1.51	1.65	12.28	12.50	12.02	12.00	0.26	0.50	4.28	4.00	4.28	-----	-----	2876
1.96	1.65	13.23	12.50	12.43	12.00	0.80	0.50	4.39	4.00	4.39	-----	28.81	4900
*1.42	1.65	16.52	16.50	16.34	16.00	0.18	0.50	8.30	8.00	8.30	-----	36.00	2660
1.86	1.65	16.80	16.50	16.46	16.00	0.34	0.50	8.19	8.00	8.19	-----	41.45	3172
1.63	1.65	16.66	16.50	16.52	16.00	0.14	0.50	9.14	8.00	8.40	0.74	40.50	3976

* Deficient.

† Guarantee not as registered.

‡ Sold at the rate of \$2.00 for 25 lbs.

TABLE III—COMPLETE

Chemist's number.	Name of Manufacturer and Brand	Samples Taken From
4349	Armour's Big Crop 2-16-8 Fertilizer, ---	Chester Grove, West Milton, -----
4376	Armour's Big Crop 2-16-8 Fertilizer, ---	J. B. Haywart & Son, Monongahela, -----
4452	Armour's Big Crop 2-16-8 Fertilizer, ---	McConnell Brothers, Hughesville, -----
3617	Armour's Big Crop 2-16-8 Fertilizer, ---	Moore & Moore, Portersville, -----
2689	Armour's Big Crop 2-16-8 Fertilizer, ---	Oil City Milling Co., Oil City, -----
2765	Armour's Big Crop 2-16-8 Fertilizer, ---	Passmore Supply Co., Oxford, -----
3531	Armour's Big Crop 2-16-8 Fertilizer, ---	A. J. Steele, Latrobe, -----
4838	Armour's Big Crop 2-16-8 Fertilizer, ---	Steele's Store, Latrobe, -----
4651	Armour's Big Crop 2-16-8 Fertilizer, ---	L. P. Swope & Co., Duncansville, -----
3672	Armour's Big Crop 4-16-4 Fertilizer, ---	Clarence E. Beek, Warriors Mark, -----
2661	Armour's Big Crop 4-16-4 Fertilizer, ---	D. Luther Bogenrief, Mifflinburg, -----
3173	Armour's Big Crop 4-16-4 Fertilizer, ---	Devling Brothers, Galetton, -----
4869	Armour's Big Crop 4-16-4 Fertilizer, ---	W. H. Dunlap, Jr., Cannonsburg, -----
3775	Armour's Big Crop 4-16-4 Fertilizer, ---	Edward Henning, Option, -----
4451	Armour's Big Crop 4-16-4 Fertilizer, ---	McConnell Brothers, Hughesville, -----
4381	Armour's Big Crop 4-16-4 Fertilizer, ---	New Florence Milling Co., New Florence, -----
2690	Armour's Big Crop 4-16-4 Fertilizer, ---	Oil City Milling Co., Oil City, -----
4515	Armour's Big Crop 4-16-4 Fertilizer, ---	S. H. Orndorf, Woodward, -----
4633	Armour's Big Crop 4-16-4 Fertilizer, ---	J. B. Roux, New Wilmington, -----
2752	Armour's Big Crop 4-16-4 Fertilizer, ---	O. W. Shortlidge, Lincoln University, -----
3530	Armour's Big Crop 4-16-4 Fertilizer, ---	A. J. Steele, Latrobe, -----
3752	Armour's Big Crop 4-16-4 Fertilizer, ---	Glenn E. Tingley, New Milford, -----
3899	Armour's Big Crop 5-8-5 Fertilizer, ---	W. H. Dunlap, Jr., Cannonsburg, -----
4867	Armour's Big Crop 5-8-5 Fertilizer, ---	W. H. Dunlap, Jr., Cannonsburg, -----
4347	Armour's Big Crop 5-8-5 Fertilizer, ---	Chester Grove, West Milton, -----
3776	Armour's Big Crop 5-8-5 Fertilizer, ---	Edward Henning, Option, -----
3940	Armour's Big Crop Fertilizer Special Mixture, -----	S. E. Broadwater & Son, Salisbury, -----
2830	Armour's Big Crop Fertilizer Special Mixture, -----	Hibner-Hoover Hardware Co., DuBois, -----
4530	Armour's Big Crop Fertilizer Special Mixture, -----	Hibner-Hoover Hardware Co., DuBois, -----
3539	Armour's Big Crop Fertilizer Special Mixture, -----	New Florence Flouring Mills, New Florence, --
4655	Armour's Big Crop Fertilizer Special Mixture, -----	Orr & Grazier, Tyrone, -----
3837	Armour's Big Crop Fertilizer Special Mixture, -----	Seligman & Co., Inc., Tamaqua, -----
3120	Armour's Big Crop Grape King, -----	Vineyard Supplies Co., North East, -----
3894	Armour's Big Crop High Grade Potato, -----	W. A. Buck, Aquashicola, -----
2664	Armour's Big Crop Potato Grower Fertilizer, -----	D. Luther Bogenrief, Mifflinburg, -----
4861	Armour's Big Crop Potato Grower Fertilizer, -----	C. L. Carnely, Madera, -----
3170	Armour's Big Crop Potato Grower Fertilizer, -----	Devling Brothers, Galetton, -----
2693	Armour's Big Crop Potato Grower Fertilizer, -----	Oil City Milling Co., Oil City, -----
2763	Armour's Big Crop Potato Grower Fertilizer, -----	Passmore Supply Co., Oxford, -----
2986	Armour's Big Crop Potato Grower Fertilizer, -----	L. P. Swope & Co., Duncansville, -----
3501	Armour's Big Crop Potato Grower Fertilizer, -----	Washington Milling Co., Washington, -----
2552	Armour's Big Crop Potato Grower Fertilizer, -----	L. B. Weller, Eigonier, -----
3444	Armour's Big Crop Royal Ammoniated, -----	Martin Serfoss, Broadheads ville, -----
3246	Armour's Big Crop Tomato Grower Fertilizer, -----	M. C. Deitz's Sons, Mechanicsburg, -----
4631	Armour's Big Crop Tomato Grower Fertilizer, -----	Moore & Moore, Portersville, -----

FERTILIZERS--Continued.

NITROGEN.		PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
Found.	Guaranteed.	Total.		Available.		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
		Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	%	%	\$	
1.65	1.65	16.58	16.50	16.04	16.00	0.54	0.50	8.93	8.00	8.93	-----	-----	4349
1.66	1.65	16.98	16.50	16.50	16.60	0.48	0.50	8.03	8.00	8.03	-----	41.00	4876
1.76	1.65	17.05	16.50	16.37	16.00	0.68	0.50	8.24	8.00	7.60	0.64	-----	4452
1.72	1.65	16.20	16.50	16.02	16.00	0.18	0.50	9.14	8.00	9.14	-----	39.00	3617
1.75	1.65	16.46	16.50	16.28	16.00	0.18	0.50	*7.55	8.00	5.60	1.95	36.45	2689
1.71	1.65	16.76	16.50	16.30	16.00	0.46	0.50	8.19	8.00	8.19	-----	34.50	2765
1.48	1.65	16.58	16.50	16.38	16.00	0.20	0.50	8.41	8.00	8.41	-----	39.00	3531
1.71	1.65	17.67	16.50	17.21	16.00	0.46	0.50	8.26	8.00	8.26	-----	42.00	4888
1.69	1.65	16.74	16.50	16.12	16.00	0.62	0.50	8.27	8.00	8.27	-----	39.00	4651
3.17	3.29	17.35	16.50	16.91	16.00	0.44	0.50	4.35	4.00	3.70	0.65	-----	3672
3.34	3.29	16.71	16.50	16.47	16.00	0.24	0.50	4.16	4.00	3.70	0.46	39.00	2661
3.41	3.29	17.32	16.50	16.78	16.00	0.54	0.50	4.31	4.00	4.31	-----	43.90	3173
3.37	3.29	17.50	16.50	16.82	16.00	0.68	0.50	4.62	4.00	3.80	0.82	42.00	4869
3.37	3.29	17.36	16.50	16.86	16.00	0.50	0.50	4.75	4.00	3.50	1.25	45.00	3775
3.33	3.29	17.42	16.50	16.86	16.00	0.56	0.50	4.50	4.00	3.50	1.00	40.10	4451
3.35	3.29	17.37	16.50	16.85	16.00	0.52	0.50	4.43	4.00	3.60	0.83	45.25	4381
3.37	3.29	16.65	16.50	16.31	16.00	0.34	0.50	4.54	4.00	4.54	-----	38.90	2690
3.35	3.29	17.42	16.50	16.96	16.00	0.46	0.50	4.51	4.00	3.60	0.91	40.56	4515
3.29	3.29	16.98	16.50	16.42	16.00	0.56	0.50	4.50	4.00	3.20	1.30	42.50	4633
3.30	3.29	17.05	16.50	16.59	16.00	0.46	0.50	4.26	4.00	4.26	-----	37.00	2752
3.19	3.29	17.53	16.50	17.05	16.00	0.48	0.50	4.29	4.00	4.29	-----	42.00	3530
3.30	3.29	16.79	16.50	16.55	16.00	0.24	0.50	4.15	4.00	4.15	-----	42.00	3752
*3.87	4.11	9.11	8.50	8.85	8.00	0.26	0.50	5.18	5.00	5.18	-----	38.00	3899
*3.40	4.11	10.23	8.50	9.79	8.00	0.44	0.50	5.60	5.00	5.60	-----	40.00	4867
*2.14	4.11	9.86	8.50	9.58	8.00	0.28	0.50	5.54	5.00	5.54	-----	43.47	4347
*3.87	4.11	10.47	8.50	8.57	8.00	1.90	0.50	*4.58	5.00	3.70	0.88	50.00	3776
1.88	1.65	11.30	9.50	9.14	9.00	2.16	0.50	3.49	3.00	3.49	-----	28.00	3940
1.76	1.65	10.65	9.50	8.95	9.00	1.70	0.50	2.95	3.00	2.95	-----	35.00	2830
1.85	1.65	11.35	9.50	9.83	9.00	1.52	0.50	3.43	3.00	3.43	-----	32.50	4530
1.61	1.65	10.89	9.50	8.99	9.00	1.90	0.50	3.25	3.00	3.25	-----	32.00	3539
1.54	1.65	11.48	9.50	9.22	9.00	2.26	0.50	3.50	3.00	3.50	-----	29.95	4655
1.72	1.65	10.86	9.50	9.16	9.00	1.70	0.50	3.56	3.00	3.56	-----	31.50	3837
4.05	4.11	8.74	8.50	8.60	8.00	0.14	0.50	*7.35	8.00	7.35	-----	35.00	3120
1.69	1.65	8.46	8.50	8.08	8.00	0.38	0.50	10.97	10.00	10.97	-----	34.00	3894
3.17	3.29	8.56	8.50	8.40	8.00	0.16	0.50	7.13	7.00	7.13	-----	34.00	2664
3.60	3.29	8.62	8.50	8.14	8.00	0.48	0.50	7.09	7.00	7.09	-----	41.00	4861
3.18	3.29	8.69	8.50	8.41	8.00	0.28	0.50	7.27	7.00	7.27	-----	39.85	3170
*2.95	3.29	8.21	8.50	8.05	8.00	0.16	0.50	7.47	7.00	7.47	-----	35.35	2693
3.68	3.29	8.74	8.50	8.58	8.00	0.16	0.50	6.90	7.00	6.90	-----	33.00	2763
3.41	3.29	8.81	8.50	8.53	8.00	0.28	0.50	*6.60	7.00	6.60	-----	37.50	2986
*3.03	3.29	8.29	8.50	8.03	8.00	0.26	0.50	7.37	7.00	7.37	-----	35.50	3501
3.22	3.29	8.38	8.50	8.20	8.00	0.18	0.50	7.05	7.00	7.05	-----	39.00	2552
0.97	0.82	9.67	8.50	9.19	9.00	0.48	0.50	4.27	4.00	4.27	-----	22.91	3444
2.32	2.47	10.27	10.50	10.03	10.00	0.24	0.50	6.50	6.00	6.50	-----	-----	3246
*1.88	2.47	10.72	10.50	10.32	10.00	0.40	0.50	6.24	6.00	6.24	-----	35.00	4631

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* Deficient.

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TABLE III—COMPLETE

Chemist's number.	Name of Manufacturer and Brand	Samples Taken From
2692	Armour's Big Crop Tomato Grower Fertilizer, -----	Oil City Milling Co., Oil City, -----
2852	Armour's Big Crop Tomato Grower Fertilizer, -----	N. J. Schill Co., Marble, -----
4088	Armour's Big Crop Tomato Grower Fertilizer, -----	West Manheim Farmers' Association, Hanover, -----
3452	Armour's Big Crop Truck Grower, -----	Harry Diehl, Leighton, -----
2834	Armour's Lawn and Garden Grower, -----	Hibner-Hoover Hardware Co., DuBois, -----
3838	Armour's Lawn and Garden Grower, -----	Seligman & Co., Inc., Tamaqua, -----
3750	Armour's Lawn and Garden Grower, -----	Glenn E. Tingley, New Milford, -----
2554	Armour's Lawn and Garden Grower, -----	L. B. Weller, Ligonier, -----
3895	Tuscarora Fish and Potash Special Mixture, -----	W. A. Buck, Aquashicola, -----
4116	Tuscarora Grain and Clover, -----	J. W. Williams, Elmburst, -----
	BALTIMORE FERTILIZER CO., BALTIMORE, MD.	
4007	Honest 1-9-4, -----	Chambersburg Fertilizer Works, Chambersburg, -----
3382	Honest 2-8-5, -----	W. B. Barnitz, Carlisle, -----
4008	Honest 2-8-5, -----	Chambersburg Fertilizer Works, Chambersburg, -----
4688	Honest 2-8-5, -----	Chambersburg Fertilizer Works, Chambersburg, -----
4013	Honest 2-8-10, -----	Chambersburg Fertilizer Works, Chambersburg, -----
4011	Honest 4-8-7, -----	Chambersburg Fertilizer Works, Chambersburg, -----
4009	Old Honesty, -----	Chambersburg Fertilizer Works, Chambersburg, -----
4687	Old Honesty, -----	Chambersburg Fertilizer Works, Chambersburg, -----
	BAUGH & SONS COMPANY, PHILADELPHIA, PA.	
2527	Baugh's Animal Base and Potash Compound, -----	Edw. Brinton & Sons, West Chester, -----
4717	Baugh's Animal Base and Potash Compound, -----	C. M. Harter, Wapwallopen, -----
3311	Baugh's Animal Base and Potash Compound, -----	Hunt Millings Co., Huntingdon, -----
3480	Baugh's Animal Base and Potash Compound, -----	Routh & Swartzle Co., Clearfield, -----
4536	Baugh's Animal Base and Potash Compound, -----	Routh & Swartzle Co., Clearfield, -----
3283	Baugh's Balanced Plant Food, -----	R. L. Auker, Mifflintown, -----
3865	Baugh's Balanced Plant Food, -----	Schrinner Brothers, Bellevalley, -----
3400	Baugh's Commercial Super Phosphate, -----	Dillsburg Grain & Milling Co., Dillsburg, -----
4983	Baugh's Commercial Super Phosphate, -----	Fisher & Nolan, Malvern, -----
4194	Baugh's Commercial Super Phosphate, -----	J. M. Hoagland, Sharon, -----
2530	Baugh's Commercial Super Phosphate, -----	Hoopes Lumber & Coal Co., Kennett Square, -----
3904	Baugh's Commercial Super Phosphate, -----	John H. Laird, Wylandville, -----
4956	Baugh's Commercial Super Phosphate, -----	Midland Milling & Supply Co., Midland, -----
4357	Baugh's Commercial Super Phosphate, -----	Mifflinburg Farmers' Exchange, Inc., Mifflinburg, -----
4538	Baugh's Commercial Super Phosphate, -----	Routh & Swartzle, Clearfield, -----
3861	Baugh's Commercial Super Phosphate, -----	Schrinner Brothers, Bellevalley, -----
3370	Baugh's Commercial Super Phosphate, -----	E. P. Wargo, Danville, -----
4680	Baugh's Complete Animal Base Fertilizer, -----	D. W. Faust & Sons, Chambersburg, -----
2529	Baugh's Complete Animal Base Fertilizer, -----	Hoopes Lumber & Coal Co., Kennett Square, -----

FERTILIZERS—Continued.

NITROGEN.		PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
Found.	Guaranteed.	Total.		Available		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
		Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	%	%	\$	
2.42	2.47	10.49	10.50	10.31	10.00	0.18	0.50	6.31	6.00	6.31	-----	33.10	2692
2.31	2.47	9.73	10.50	*9.55	10.00	0.18	0.50	6.93	6.00	6.93	-----	34.25	2852
2.48	2.47	10.74	10.50	10.40	10.00	0.34	0.50	*5.79	6.00	5.79	-----	-----	4088
5.97	5.76	13.30	12.50	12.82	12.00	0.48	0.50	7.45	7.00	7.45	-----	-----	3452
4.94	4.94	14.49	8.50	8.37	8.00	6.12	0.50	5.91	6.00	5.91	-----	80.00	2834
4.95	4.94	14.53	8.50	8.63	8.00	5.90	0.50	6.03	6.00	6.03	-----	35.00	3838
4.76	4.94	14.95	8.50	9.83	8.00	5.12	0.50	*5.72	6.00	5.72	-----	100.00	3750
4.88	4.94	15.10	-----	9.00	8.00	6.10	0.50	6.02	6.00	6.02	-----	90.00	2554
1.78	1.65	10.79	9.50	9.69	9.00	1.10	0.50	3.40	3.00	3.40	-----	30.00	3895
1.02	0.82	9.66	9.50	9.10	9.00	0.56	0.50	4.79	4.00	4.79	-----	19.80	4116
1.04	0.82	10.12	9.50	*8.78	9.00	1.34	0.50	4.26	4.00	4.26	-----	-----	4007
1.93	1.64	9.29	8.50	*7.75	8.00	1.54	0.50	6.40	5.00	6.40	-----	26.00	3382
1.87	1.64	9.69	8.50	8.17	8.00	1.52	0.50	5.34	5.00	5.34	-----	26.00	4008
1.96	1.64	10.20	8.50	8.48	8.00	1.72	0.50	5.27	5.00	5.27	-----	-----	4688
1.68	1.64	9.61	8.50	8.85	8.00	0.76	0.50	*8.54	10.00	8.50	-----	-----	4013
*3.07	3.30	11.11	8.50	9.87	8.00	1.24	0.50	7.25	7.00	7.25	-----	35.00	4011
1.16	0.82	12.12	11.50	*10.32	11.00	1.80	0.50	2.73	2.00	2.73	-----	-----	4009
1.15	0.82	12.37	11.50	11.09	11.00	1.28	0.50	2.81	2.00	2.81	-----	-----	4687
1.79	1.65	10.28	9.00	9.38	9.00	0.90	-----	3.08	3.00	3.08	-----	29.00	2527
1.89	1.65	10.72	9.00	9.46	9.00	1.26	-----	3.14	3.00	3.14	-----	26.60	4717
1.76	1.65	9.95	9.00	8.91	9.00	1.04	-----	3.07	3.00	3.07	-----	27.50	3311
1.83	1.65	10.64	9.00	9.62	9.00	1.02	-----	3.58	3.00	3.58	-----	29.50	3480
1.73	1.65	10.41	9.00	9.05	9.00	1.36	-----	3.36	3.00	3.36	-----	30.50	4536
3.47	3.30	13.18	12.00	12.24	12.00	0.94	-----	4.30	4.00	4.30	-----	-----	3283
3.22	3.30	12.04	12.00	*10.99	12.00	1.05	-----	4.61	4.00	4.61	-----	36.00	3865
1.98	1.65	9.48	8.00	8.30	8.00	1.18	-----	10.29	10.00	10.29	-----	-----	3400
1.88	1.65	9.83	8.00	8.71	8.00	1.12	-----	10.57	10.00	10.57	-----	38.00	4983
1.95	1.65	8.81	8.00	7.93	8.00	0.88	-----	10.48	10.00	10.48	-----	33.00	4194
1.69	1.65	9.06	8.00	8.24	8.00	0.82	-----	10.03	10.00	10.03	-----	30.50	2530
1.77	1.65	9.13	8.00	8.29	8.00	0.84	-----	10.74	10.00	9.80	0.94	38.00	3904
1.68	1.65	9.77	8.00	8.31	8.00	1.46	-----	10.66	10.00	10.66	-----	34.00	4956
1.76	1.65	9.64	8.00	8.38	8.00	1.26	-----	9.84	10.00	9.50	0.34	31.00	4357
1.89	1.65	8.99	8.00	8.01	8.00	0.98	-----	10.29	10.00	9.50	0.79	35.50	4528
1.81	1.65	9.36	8.00	8.30	8.00	1.06	-----	10.52	10.00	10.52	-----	32.50	3861
1.88	1.65	9.26	8.00	8.50	8.00	0.89	-----	*9.66	10.00	9.66	-----	32.00	3370
1.91	1.65	9.40	8.00	8.30	8.00	1.10	-----	5.52	5.00	5.52	-----	-----	4680
1.71	1.65	9.53	8.00	8.85	8.00	0.68	-----	5.47	5.00	5.47	-----	26.50	2529

* Deficient.

TABLE III—COMPLETE

Chemist's number.	Name of Manufacturer and Brand				Samples Taken From
2657	Baugh's	Complete Animal Base Fer-			Mifflinburg Farmers' Exchange, Inc., Mifflin-
	tilizer,	-----			burg, -----
4335	Baugh's	Complete Animal Base Fer-			Mifflinburg Farmers' Exchange, Inc., Mifflin-
	tilizer,	-----			burg, -----
4616	Baugh's	Complete Animal Base Fer-			H. K. Phillips, Mohrsville, -----
	tilizer,	-----			
4962	Baugh's	Complete Animal Base Fer-			W. J. Pratt, Pocopson, -----
	tilizer,	-----			
3636	Baugh's	Complete Animal Base Fer-			John Riggs, Huhhard, R. D., -----
	tilizer,	-----			
4537	Baugh's	Complete Animal Base Fer-			Routch & Swartzle Co., Clearfield, -----
	tilizer,	-----			
4141	Baugh's	Complete Animal Base Fer-			D. E. Schwartz, Gettysburg, -----
	tilizer,	-----			
3436	Baugh's	Complete Animal Base Fer-			W. B. Tobias, Mohrsville, -----
	tilizer,	-----			Baugh & Sons Co., Philadelphia, -----
3206	Baugh's	Corn and Oats Fertilizer,			J. M. Hoagland, Sharon, -----
		-----			John H. Laird, Wylandville, -----
4195	Baugh's	Corn and Oats Fertilizer,			Richards & Sehrader, Ward, -----
		-----			Schrinper Brothers, Bellevalley, -----
3902	Baugh's	Corn and Oats Fertilizer,			Baugh & Sons Co., Philadelphia, -----
		-----			D. W. Faust & Sons, Chambersburg, -----
3565	Baugh's	Corn and Oats Fertilizer,			Fisher & Nolan, Malvern, -----
		-----			Thomas K. George, Homer City, -----
3859	Baugh's	Corn and Oats Fertilizer,			W. B. Lauver, Mifflintown, -----
		-----			Midland Milling & Supply Co., Midland, -----
3204	Baugh's	Double Eagle Phosphate,			Mifflinburg Farmers' Exchange, Inc., Mifflin-
		-----			burg, -----
4683	Baugh's	Double Eagle Phosphate,			Mifflinburg Farmers' Exchange, Inc., Mifflin-
		-----			burg, -----
4954	Baugh's	Double Eagle Phosphate,			Orr & Grazier, Tyrone, -----
		-----			West Manheim Farmers' Association, Hanover,
4828	Baugh's	Double Eagle Phosphate,			Farmers' Exchange, Indiana, -----
		-----			A. J. Harter, Germansville, -----
3281	Baugh's	Double Eagle Phosphate,			Earl W. Hewry, Mifflintown, -----
		-----			Routch & Swartzle, Clearfield, -----
4959	Baugh's	Double Eagle Phosphate,			P. J. Briggs, Mt. Union, -----
		-----			Cokely Brothers, Seranton, -----
2655	Baugh's	Double Eagle Phosphate,			Dillsburg Grain & Milling Co., Dillsburg, -----
		-----			Farmers' Exchange, Indiana, -----
4356	Baugh's	Double Eagle Phosphate,			H. C. Hutchinison, Hydetown, -----
		-----			Mifflinburg Farmers' Exchange, Inc., Mifflin-
		-----			burg, -----
2863	Baugh's	Double Eagle Phosphate,			Orr & Grazier, Tyrone, -----
		-----			D. E. Schwartz, Gettysburg, -----
4995	Baugh's	Double Eagle Phosphate,			West Manheim Farmers' Association, Hanover,
		-----			J. F. Wineland, Curryville, -----
4882	Baugh's	Double Power Fertilizer,			D. W. Faust & Sons, Chambersburg, -----
		-----			Thomas K. George, Homer City, -----
3884	Baugh's	Double Power Fertilizer,			Hoopes Lumber & Coal Co., Kennett Square,
		-----			Orr & Grazier, Tyrone, -----
3250	Baugh's	Double Power Fertilizer,			D. W. Faust & Sons, Chambersburg, -----
		-----			Fisher & Nolan, Malvern, -----
4539	Baugh's	Double Power Fertilizer,			Thomas K. George, Homer City, -----
		-----			E. P. Wargo, Danville, -----
4411	Baugh's	Excelsior Guano,			E. P. Wargo, Danville, -----
		-----			Baugh & Sons Co., Philadelphia, -----
2999	Baugh's	Excelsior Guano,			Baugh & Sons Co., Philadelphia, -----
		-----			C. E. Crottsley, Saitillo, -----
3399	Baugh's	Excelsior Guano,			

4831	Baugh's	Excelsior Guano,			

2727	Baugh's	Excelsior Guano,			

2656	Baugh's	Excelsior Guano,			

2864	Baugh's	Excelsior Guano,			

4142	Baugh's	Excelsior Guano,			

4997	Baugh's	Excelsior Guano,			

4667	Baugh's	Excelsior Guano,			

4002	Baugh's	Fish Bone and Potash,			

3542	Baugh's	Fish Bone and Potash,			

2531	Baugh's	Fish Bone and Potash,			

2859	Baugh's	Fish Bone and Potash,			

4065	Baugh's	Fish Mixture,			

4985	Baugh's	Fish Mixture,			

3541	Baugh's	Fish Mixture,			

3369	Baugh's	Fish Mixture,			

4618	Baugh's	Fish Mixture,			

3576	Baugh's	Half Century Perfection Brand,			

3577	Baugh's	Half Century Perfection Brand,			

4071	Baugh's	Half Century Perfection Brand,			

FERTILIZERS—Continued.

NITROGEN.		PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
Found.	Guaranteed.	Total.		Available		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
		Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	%	%	\$	
1.86	1.65	9.38	8.00	8.40	8.00	0.98	-----	5.01	5.00	5.01	-----	25.60	2657
1.79	1.65	9.24	8.00	8.26	8.00	0.98	-----	5.19	5.00	5.19	-----	27.00	4355
1.80	1.65	9.45	8.00	8.05	8.00	1.40	-----	5.22	5.00	5.22	-----	-----	4616
1.78	1.65	9.13	8.00	8.45	8.00	0.68	-----	5.48	5.00	5.48	-----	28.00	4962
1.73	1.65	9.03	8.00	8.09	8.00	0.94	-----	5.12	5.00	5.12	-----	31.00	3636
1.82	1.65	9.04	8.00	8.18	8.00	0.86	-----	5.16	5.00	5.16	-----	31.50	4537
1.82	1.65	9.08	8.00	8.18	8.00	0.90	-----	5.23	5.00	5.23	-----	-----	4141
1.95	1.65	9.32	8.00	8.52	8.00	0.80	-----	5.22	5.00	5.22	-----	26.50	3436
1.78	1.65	13.43	12.00	12.01	12.00	1.42	-----	2.47	2.00	1.90	0.57	-----	3206
1.82	1.65	13.89	12.00	12.13	12.00	1.76	-----	2.24	2.00	2.24	-----	29.00	4195
1.91	1.65	13.61	12.00	12.27	12.00	1.34	-----	2.29	2.00	2.29	-----	33.00	3902
1.81	1.65	13.34	12.00	12.20	12.00	1.14	-----	2.48	2.00	2.48	-----	29.00	3565
1.79	1.65	13.65	12.00	12.55	12.00	1.10	-----	2.65	2.00	1.60	1.05	-----	3859
1.80	1.65	13.07	12.00	12.21	12.00	0.86	-----	4.59	4.00	4.30	0.29	-----	3204
1.90	1.65	13.61	12.00	12.11	12.00	1.50	-----	4.30	4.00	3.20	1.10	-----	4683
1.67	1.65	14.29	12.00	12.41	12.00	1.88	-----	4.51	4.00	3.60	0.91	35.00	4984
1.96	1.65	13.85	12.00	12.61	12.00	1.24	-----	4.47	4.00	4.47	-----	28.00	4828
1.72	1.65	13.32	12.00	12.06	12.00	1.26	-----	4.35	4.00	4.35	-----	-----	3281
1.85	1.65	14.21	12.00	12.89	12.00	1.32	-----	4.39	4.00	4.39	-----	32.00	4959
1.96	1.65	13.32	12.00	12.02	12.00	1.30	-----	4.49	4.00	4.49	-----	27.70	2655
1.90	1.65	13.46	12.00	12.12	12.00	1.34	-----	4.26	4.00	3.60	0.66	29.15	4356
1.74	1.65	13.65	12.00	12.25	12.00	1.40	-----	4.31	4.00	1.80	2.51	30.60	2663
1.77	1.65	14.49	12.00	12.93	12.00	1.56	-----	4.47	4.00	3.60	0.87	28.80	4995
3.30	3.30	18.39	16.00	16.53	16.00	1.86	-----	3.88	4.00	3.88	-----	43.00	4832
3.30	3.30	15.42	16.00	*14.29	16.00	1.13	-----	4.98	4.00	4.98	-----	39.00	3884
3.32	3.30	16.98	16.00	16.04	16.00	0.94	-----	4.08	4.00	4.08	-----	33.00	3280
3.62	3.30	17.57	16.00	*15.39	16.00	1.98	-----	4.51	4.00	4.51	-----	40.00	4539
1.00	0.82	10.29	9.00	8.97	9.00	1.32	-----	4.34	4.00	4.34	-----	26.25	4411
0.98	0.82	10.59	9.00	9.69	9.00	0.90	-----	4.26	4.00	4.26	-----	35.00	2999
0.97	0.82	10.43	9.00	9.09	9.00	1.34	-----	4.38	4.00	4.38	-----	-----	3399
1.31	0.82	10.29	9.00	9.01	9.00	1.28	-----	*3.68	4.00	3.68	-----	19.00	4831
1.08	0.82	10.52	9.00	9.58	9.00	0.94	-----	4.06	4.00	4.06	-----	22.80	2727
1.00	0.82	10.46	9.00	9.20	9.00	1.26	-----	4.15	4.00	4.15	-----	23.75	2656
1.06	0.82	10.37	9.00	9.09	9.00	1.28	-----	4.18	4.00	4.18	-----	24.60	2864
0.98	0.82	10.35	9.00	9.05	9.00	1.30	-----	4.07	4.00	4.07	-----	-----	4142
0.97	0.82	10.72	9.00	9.74	9.00	0.98	-----	4.26	4.00	4.26	-----	23.60	4997
1.07	0.82	10.55	9.00	9.01	9.00	1.34	-----	4.09	4.00	4.09	-----	27.00	4667
3.47	3.30	9.84	8.00	8.26	8.00	1.03	-----	4.52	4.00	4.52	-----	-----	4002
3.45	3.30	9.21	8.00	7.95	8.00	1.26	-----	4.17	4.00	4.17	-----	34.00	3542
3.55	3.30	9.13	8.00	8.25	8.00	0.88	-----	4.09	4.00	4.09	-----	31.50	2531
3.38	3.30	9.10	8.00	8.04	8.00	1.06	-----	4.38	4.00	4.38	-----	33.10	2859
1.65	1.65	10.43	9.00	9.17	9.00	1.26	-----	*2.76	3.00	2.76	-----	-----	4005
1.78	1.65	10.60	9.00	9.54	9.00	1.06	-----	3.42	3.00	3.42	-----	32.00	4985
1.77	1.65	9.98	9.00	8.94	9.00	1.04	-----	4.74	3.00	4.74	-----	27.00	3541
1.90	1.65	10.08	9.00	9.06	9.00	1.02	-----	3.03	3.00	3.03	-----	26.00	3369
1.80	1.65	10.20	9.00	9.06	9.00	1.14	-----	3.26	3.00	3.26	-----	27.00	4618
3.48	3.30	9.53	8.00	8.43	8.00	1.10	-----	*6.77	7.00	6.77	-----	28.40	3576
3.33	3.30	9.11	8.00	8.31	8.00	0.80	-----	7.21	7.00	7.21	-----	28.40	3577
3.47	3.30	9.57	8.00	8.53	8.00	1.04	-----	7.25	7.00	7.25	-----	38.00	4071

* Deficient.

TABLE III—COMPLETE

Chemist's number.	Name of Manufacturer and Brand	Samples Taken From
2659	Baugh's Half Century Perfection Brand,	Mifflinburg Farmers' Exchange, Inc., Mifflin-
4089	Baugh's Half Century Perfection Brand,	burg,
3001	Baugh's Peruvian Guano Substitute, --	West Manheim Farmers' Association, Hanover,
3057	Baugh's Peruvian Guano Substitute, --	Cokely Brothers, Seranton, -----
3442	Baugh's Peruvian Guano Substitute, --	N. C. McEwen, New Bethlehem, -----
3367	Baugh's Peruvian Guano Substitute, --	J. B. Meitzler, Kresgeville, -----
3265	Baugh's Potato and Truck Special, --	E. P. Wargo, Danville, -----
3008	Baugh's Potato and Truck Special, --	Baugh & Sons Co., Philadelphia, -----
3850	Baugh's Potato and Truck Special, --	Cokely Brothers, Seranton, -----
3441	Baugh's Potato and Truck Special, --	O. F. Kleckner, New Ringgold, -----
3203	Baugh's Special Potato Manure, -----	J. B. Meitzler, Kresgeville, -----
2526	Baugh's Special Potato Manure, -----	Baugh & Sons Co., Philadelphia, -----
3903	Baugh's Special Potato Manure, -----	Edw. Brinton & Sons, West Chester, -----
2658	Baugh's Special Potato Manure, -----	John H. Laird, Wylandville, -----
3482	Baugh's Special Potato Manure, -----	Mifflinburg Farmers' Exchange, Inc., Mifflin-
3310	Baugh's The Old Stand-By Dissolved	burg,
	Animal Base, -----	Routh & Swartzle Co., Clearfield, -----
4354	Baugh's The Old Stand-By Dissolved	Hunt Milling Co., Huntingdon, -----
	Animal Base, -----	Mifflinburg Farmers' Exchange, Inc., Mifflin-
4615	Baugh's The Old Stand-By Dissolved	burg, -----
	Animal Base, -----	H. K. Phillips, Mohrsville, -----
4973	Baugh's Wheat Fertilizer for Wheat	Edw. Brinton & Sons, West Chester, -----
	and Grass, -----	Homer Decker, Bellefonte, -----
4748	Baugh's Wheat Fertilizer for Wheat	Farmers' Exchange, Indiana, -----
	and Grass, -----	Mifflinburg Farmers' Exchange, Inc., Mifflin-
4834	Baugh's Wheat Fertilizer for Wheat	burg, -----
	and Grass, -----	W. J. Pratt, Pocopson, -----
4352	Baugh's Wheat Fertilizer for Wheat	
	and Grass, -----	Z. L. Brothers, Ebensburg, -----
4963	Baugh's Wheat Fertilizer for Wheat	W. S. Caples & Son, Johnstown, -----
	and Grass, -----	W. S. Caples & Son, Johnstown, -----
	W. S. CAPLES & SON, JOHNSTOWN,	
	PA.	
3981	Cambria's Standard Phosphate, -----	Carlisle Fertilizer Works, Inc., Carlisle, -----
4931	Cambria's Standard Phosphate, -----	Carlisle Fertilizer Works, Inc., Carlisle, -----
4932	Corn and Potato Phosphate, -----	Carlisle Fertilizer Works, Inc., Carlisle, -----
		Carlisle Fertilizer Works, Inc., Carlisle, -----
	CARLISLE FERTILIZER WORKS,	
	INC., CARLISLE, PA.	
3378	Carlisle 1-9-4, -----	Carlisle Fertilizer Works, Inc., Carlisle, -----
4289	Carlisle 1-9-4, -----	Carlisle Fertilizer Works, Inc., Carlisle, -----
4290	Carlisle 2-8-5, -----	Carlisle Fertilizer Works, Inc., Carlisle, -----
3380	Carlisle 2-8-10, -----	Carlisle Fertilizer Works, Inc., Carlisle, -----
4291	Carlisle 2-8-10, -----	Carlisle Fertilizer Works, Inc., Carlisle, -----
	L. A. CARLSON, WARREN, PA.	
3876	Trucker's Special, -----	L. A. Carlson Warren, -----
	CENTRAL CHEMICAL COMPANY,	
	HAGERSTOWN, MD.	
2914	Gro-All Crown Jewel 1-9-4, -----	Francis Baker, Everett, -----
4904	Gro-All Crown Jewel 1-9-4, -----	Francis Baker, Everett, -----
4923	Gro-All Crown Jewel 1-9-4, -----	Brumbaugh & Nissley, Martinsburg, -----
3932	Gro-All Crown Jewel 1-9-4, -----	C. A. Philips, Meyersdale, -----
3358	Gro-All Excelsior 2-8-5, -----	N. G. Adams, Paxinos, -----
2915	Gro-All Excelsior, 2-8-5, -----	Francis Baker, Everett, -----
4924	Gro-All Excelsior 2-8-5, -----	Brumbaugh, & Nissley, Martinsburg, -----

FERTILIZERS—Continued.

NITROGEN		PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
Found.	Guaranteed.	Total.		Available		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
		Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	%	%	\$	
3.33	3.30	9.22	8.00	8.98	8.00	0.24	-----	*6.69	7.00	6.69	-----	32.50	2659
3.52	3.30	9.01	8.00	8.13	8.00	0.88	-----	7.38	7.00	7.38	-----	-----	4089
4.42	4.12	9.54	8.00	8.50	8.00	1.04	-----	5.22	5.00	5.22	-----	48.00	3001
*3.33	4.12	9.29	8.00	8.17	8.00	1.12	-----	*4.26	5.00	4.26	-----	43.00	3057
4.15	4.12	9.36	8.00	8.42	8.00	0.94	-----	5.44	5.00	5.44	-----	36.00	3442
4.34	4.12	9.22	8.00	8.22	8.00	1.00	-----	5.08	5.00	5.08	-----	35.50	3367
3.31	3.30	9.31	8.00	8.29	8.00	1.02	-----	6.36	6.00	6.36	-----	-----	3205
3.33	3.30	9.69	8.00	8.75	8.00	0.94	-----	*5.78	6.00	5.78	-----	55.00	3008
3.52	3.30	9.10	8.00	7.98	8.00	1.12	-----	6.35	6.00	6.35	-----	35.00	3850
3.57	3.30	9.45	8.00	8.31	8.00	1.14	-----	6.29	6.00	2.90	3.39	38.00	3441
1.67	1.65	9.16	8.00	8.38	8.00	0.78	-----	4.95	5.00	4.95	-----	-----	3203
1.81	1.65	9.41	8.00	8.51	8.00	0.90	-----	5.00	5.00	*5.00	-----	30.00	2526
1.82	1.65	9.04	8.00	8.00	8.00	1.04	-----	5.16	5.00	5.16	-----	36.00	3903
1.78	1.65	9.16	8.00	8.22	8.00	0.94	-----	5.12	5.00	5.12	-----	25.60	2658
1.98	1.65	9.06	8.00	8.14	8.00	0.92	-----	5.72	5.00	5.72	-----	30.40	3482
1.79	1.65	13.78	12.00	12.44	12.00	1.34	-----	2.62	2.00	2.10	0.52	29.25	3310
1.82	1.65	14.03	12.00	12.05	12.00	1.98	-----	2.53	2.00	1.50	1.03	27.55	4354
1.76	1.65	13.81	12.00	12.27	12.00	1.54	-----	2.21	2.00	2.21	-----	-----	4615
1.83	1.65	10.80	9.00	9.88	9.00	0.92	-----	3.39	3.00	3.39	-----	28.00	4973
1.70	1.65	10.08	9.00	*8.80	9.00	1.28	-----	3.16	3.00	3.16	-----	-----	4748
1.83	1.65	10.49	9.00	9.15	9.00	1.34	-----	3.17	3.00	3.17	-----	35.00	4834
1.92	1.65	10.20	9.00	8.90	9.00	1.30	-----	3.29	3.00	3.29	-----	26.10	4352
1.98	1.65	10.98	9.00	9.96	9.00	1.02	-----	3.62	3.00	3.62	-----	27.00	4963
2.03	2.00	11.58	10.00	8.24	8.00	3.34	2.00	4.92	4.00	4.92	-----	32.00	3981
1.81	2.00	11.23	10.00	*7.76	8.00	3.47	2.00	4.29	4.00	4.29	-----	32.00	4931
1.95	2.00	11.99	8.00	8.53	6.00	3.46	2.00	*5.71	6.00	5.71	-----	35.00	4932
1.01	0.82	9.55	9.50	*8.49	9.00	1.06	0.50	4.25	4.00	4.25	-----	23.00	3378
1.06	0.82	10.27	9.50	8.65	9.00	1.62	0.50	*3.79	4.00	3.79	-----	-----	4289
1.64	1.64	9.53	8.50	8.09	8.00	1.44	0.50	5.94	5.00	5.94	-----	-----	4290
1.80	1.64	8.64	8.50	8.04	8.00	0.60	0.50	12.52	10.00	12.52	-----	29.00	3380
1.84	1.64	9.50	8.50	8.96	8.00	0.54	0.50	10.32	10.00	10.32	-----	-----	4291
*1.03	-----	9.85	-----	7.85	-----	2.00	-----	12.22	-----	12.22	-----	45.00	3876
1.08	0.82	9.83	9.50	9.05	9.00	0.78	0.50	4.15	4.00	4.15	-----	27.00	2914
1.04	0.82	10.41	9.50	9.33	9.00	1.08	0.50	4.31	4.00	4.31	-----	-----	4904
0.91	0.82	9.93	9.50	9.29	9.00	0.64	0.50	4.41	4.00	4.41	-----	27.00	4923
0.95	0.82	9.99	9.50	9.09	9.00	0.90	0.50	4.06	4.00	4.06	-----	27.00	3932
1.68	1.65	8.60	8.50	8.00	8.00	0.60	0.50	5.20	5.00	5.20	-----	30.00	3358
1.73	1.65	9.77	8.50	8.51	8.00	1.26	0.50	5.77	5.00	5.77	-----	27.50	2915
1.66	1.65	9.02	8.50	8.28	8.00	0.74	0.50	6.29	5.00	6.29	-----	29.50	4924

* Deficient.

TABLE III—COMPLETE

Chemist's number.	Name of Manufacturer and Brand	Samples Taken From
4211	Gro-All Excelsior 2-8-5, -----	The Central Chemical Co., Milton, -----
3440	Gro-All Excelsior 2-8-5, -----	Jesse Strohl, Palmerton, -----
4947	Gro-All Excelsior 2-8-5, -----	S. E. Thomas, Holsopple, -----
4197	Gro-All Excelsior 2-8-5, -----	R. K. Yoder, Belleville, -----
3357	Gro-All Fish and Potash Compound, 13-9-4, -----	N. G. Adams, Paxinos, -----
4212	Gro-All Fish and Potash Compound 13-9-4, -----	The Central Chemical Co., Milton, -----
4713	Gro-All Fish and Potash Compound 13-9-4, -----	Abe E. Engler, Wapwallopen, -----
4184	Gro-All Fish and Potash Compound 13-9-4, -----	Mack Kerlin, Hiram, -----
4922	Gro-All Grain and Grass Grower 2-12-2, -----	Brumbaugh & Nissley, Martinsburg, -----
4209	Gro-All Grain and Grass Grower 2-12-2, -----	The Central Chemical Co., Milton, -----
4010	Gro-All Grain and Grass Grower 2-12-2, -----	Chambersburg Fertilizer Works, Chambers- burg, -----
3934	Gro-All Grain and Grass Grower 2-12-2, -----	C. A. Phillips, Meyersdale, -----
3359	Gro-All Imperial 2-8-10, -----	N. G. Adams, Paxinos, -----
4674	Gro-All Imperial 2-8-10, -----	Brumbaugh & Nissley, Martinsburg, -----
4210	Gro-All Imperial 2-8-10, -----	The Central Chemical Co., Milton, -----
4712	Gro-All Imperial 2-8-10, -----	Abe E. Engler, Wapwallopen, -----
3935	Gro-All Imperial 2-8-10, -----	C. A. Phillips, Meyersdale, -----
2916	Gro-All Potato Special 4-8-7, -----	Francis Baker, Everett, -----
4025	Gro-All Potato Special 4-8-7, -----	Strickler & Gillan, Greencastle, -----
2917	Gro-All Super Fish 2-12-6, -----	Francis Baker, Everett, -----
4673	Gro-All Super Fish 2-12-6, -----	Brumbaugh & Nissley, Martinsburg, -----
4208	Gro-All Super Fish 2-12-6, -----	The Central Chemical Co., Milton, -----
4711	Gro-All Super Fish 2-12-6, -----	Abe E. Engler, Wapwallopen, -----
2975	Gro-All Super Fish 2-12-6, -----	Clarence Metzler, Martinsburg, -----
4320	Gro-All Super Fish 2-12-6, -----	R. K. Yoder, Belleville, -----
3988	McMullen's Special, -----	Schwab Estate, Loretto, -----
	CLAY & SON, STRATFORD, LON- DON, ENGLAND.	
3212	Clay's Fertilizer, -----	Hosea Waterer, Philadelphia, -----
	CO-OPERATIVE G. L. F. EXCHANGE, INC., NEW YORK, N. Y.	
3747	G. L. F. Fertilizer, 2-8-10, -----	Brant Brothers, Great Bend, -----
3164	G. L. F. Fertilizer 2-8-10, -----	Eulalia Milling Co., Coudersport, -----
4112	G. L. F. Fertilizer, 2-8-10, -----	Honesdale G. L. F. Service, Honesdale, -----
2730	G. L. F. Fertilizer, 2-8-10, -----	Union City Cooperative Association, Union City, -----
3745	G. L. F. Fertilizer, 2-12-4, -----	Brant Brothers, Great Bend, -----
3165	G. L. F. Fertilizer 2-12-4, -----	Eulalia Milling Co., Coudersport, -----
3746	G. L. F. Fertilizer 4-8-10, -----	Brant Brothers, Great Bend, -----
3166	G. L. F. Fertilizer, 5-10-5, -----	Eulalia Milling Co., Coudersport, -----
	DELAWARE RIVER CHEMICAL WORKS, BALTIMORE, MD.	
3157	Delaware River 2-8-10, -----	D. E. Goodnough, Coudersport, -----
3158	Delaware River 2-12-2, -----	D. E. Goodnough, Coudersport, -----
3156	Delaware River 2-12-4, -----	D. E. Goodnough, Coudersport, -----
3160	Delaware River 4-12-4, -----	D. E. Goodnough, Coudersport, -----
	THE JAMES G. DOWNWARD CO., COATESVILLE, PA.	
3703	Corn and Wheat Phosphate, -----	A. L. Herr & Brother, Quarryville, -----
4176	Royal Phosphate, -----	The James G. Downward Co., Coatesville, --

FERTILIZERS—Continued.

NITROGEN.		PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
Found.	Guaranteed.	Total.		Available		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
		Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	%	%	\$	
1.71	1.65	8.84	8.50	8.04	8.00	0.80	0.50	5.14	5.00	5.14	-----	27.97	4211
1.88	1.65	9.87	8.50	8.44	8.00	1.42	0.50	*4.80	5.00	4.80	-----	25.00	3440
1.74	1.65	9.11	8.50	7.99	8.00	1.12	0.50	5.10	5.00	5.10	-----	33.00	4947
1.09	1.65	9.39	8.50	8.63	8.00	0.76	0.50	4.83	5.00	4.83	-----	28.40	4497
1.18	1.03	9.90	9.50	9.06	9.00	0.84	0.50	4.11	4.00	4.11	-----	26.75	3357
1.12	1.03	11.26	9.50	10.44	9.00	0.82	0.50	3.91	4.00	3.91	-----	25.58	4212
1.12	1.03	10.38	9.50	9.38	9.00	1.00	0.50	4.26	4.00	4.26	-----	28.00	4713
1.25	1.03	11.93	9.50	10.39	9.00	1.54	0.50	4.05	4.00	4.05	-----	28.00	4184
1.76	1.65	13.01	12.50	*11.65	12.00	1.36	0.50	2.35	2.00	2.35	-----	31.00	4922
1.87	1.65	12.69	12.50	11.97	12.00	0.72	0.50	2.28	2.00	2.28	-----	27.47	4209
1.79	1.65	13.81	12.50	12.61	12.00	1.20	0.50	2.22	2.00	2.22	-----	26.50	4010
1.70	1.65	13.42	12.50	12.48	12.00	0.94	0.50	2.24	2.00	2.24	-----	-----	3934
1.96	1.65	8.78	8.50	8.04	8.00	0.74	0.50	*9.63	10.00	9.63	-----	32.50	3359
1.83	1.65	9.06	8.50	8.28	8.00	0.78	0.50	*9.76	10.00	9.76	-----	34.50	4674
1.91	1.65	8.75	8.50	8.15	8.00	0.60	0.50	10.06	10.00	10.06	-----	31.62	4210
1.58	1.65	8.80	8.50	8.10	8.00	0.70	0.50	10.08	10.00	10.08	-----	33.00	4712
1.73	1.65	8.85	8.50	7.99	8.00	0.86	0.50	10.04	10.00	10.04	-----	35.00	3935
3.20	3.29	8.94	8.50	8.48	8.00	0.46	0.50	*6.47	7.00	6.47	-----	35.00	2916
3.13	3.29	9.18	8.50	8.44	8.00	0.74	0.50	7.79	7.00	7.79	-----	-----	4025
1.72	1.65	13.57	12.50	12.45	12.00	1.12	0.50	6.71	6.00	6.71	-----	34.50	2917
1.95	1.65	13.56	12.50	12.36	12.00	1.20	0.50	6.38	6.00	6.38	-----	38.00	4673
1.86	1.65	13.29	12.50	12.57	12.00	0.72	0.50	6.48	6.00	6.48	-----	34.41	4208
1.77	1.65	13.67	12.50	12.35	12.00	1.32	0.50	6.56	6.00	6.56	-----	38.75	4711
1.67	1.65	13.14	12.50	12.16	12.00	0.98	0.50	6.04	6.00	6.04	-----	32.00	2975
1.66	1.65	13.42	12.50	12.16	12.00	1.26	0.50	6.45	5.00	6.45	-----	35.00	4320
3.70	3.29	12.64	12.50	11.90	12.00	0.74	0.50	7.37	7.00	6.50	0.87	-----	3988
4.85	4.20	11.91	11.00	8.85	8.50	3.06	2.50	2.66	2.00	-----	2.66	-----	3212
3.47	1.65	8.73	8.50	8.15	8.00	0.58	0.50	*8.98	10.00	8.98	-----	-----	3747
1.81	1.65	9.53	8.50	9.03	8.00	0.50	0.50	10.00	10.00	10.00	-----	32.40	3164
1.76	1.65	8.73	8.50	8.37	8.00	0.36	0.50	10.54	10.00	10.54	-----	32.00	4112
1.74	1.65	8.43	8.50	8.13	8.00	0.30	0.50	*9.62	10.00	9.62	-----	29.75	2736
1.96	1.65	13.84	12.50	12.22	12.00	1.62	0.50	4.61	4.00	4.61	-----	-----	3745
2.26	1.65	12.83	12.50	12.35	12.00	0.48	0.50	4.04	4.00	4.04	-----	30.00	3165
*3.01	3.29	9.18	8.50	8.46	8.00	0.72	0.50	12.43	10.00	12.43	-----	-----	3746
4.03	4.11	10.77	10.50	9.83	10.00	0.94	0.50	5.33	5.00	4.40	0.93	38.50	3166
1.80	1.65	9.59	8.00	8.27	8.00	1.02	-----	10.33	10.00	10.33	-----	36.00	3157
1.78	1.65	12.90	12.00	*11.52	12.00	1.38	-----	2.84	2.00	2.10	0.74	31.50	3158
1.93	1.65	13.30	12.00	12.12	12.00	1.18	-----	4.65	4.00	4.65	-----	33.50	3156
3.22	3.30	12.96	12.00	11.92	12.00	1.04	-----	4.26	4.00	4.26	-----	40.00	3160
1.47	1.65	9.45	8.00	8.35	7.00	1.10	1.00	5.79	5.00	5.79	-----	-----	3703
1.31	0.82	7.50	9.00	*6.44	8.00	1.06	1.00	6.67	5.00	6.67	-----	27.00	4176

* Deficient.

TABLE III—COMPLETE

Chemist's number.	Name of Manufacturer and Brand	Samples Taken From
3217	HENRY A. DREER, INC., PHILADELPHIA, PA. Dreer's Peerless Plant Food 5-6-5, -----	Henry A. Dreer, Philadelphia, -----
3116	EASTERN GUANO CO., NEW YORK, N. Y. Eastern Economy Brand, -----	West Side Feed & Fuel Co., Erie, -----
3114	Eastern Imperial, -----	West Side Feed & Fuel Co., Erie, -----
4754	EASTERN STATES FARMERS' EX- CHANGE, SPRINGFIELD, MASS. Eastern States No Filler Fertilizer 2-12-4, -----	F. W. Harris, East Waterford, -----
3682	AMOS EBY & CO., LEAMAN PLACE, PA. Eby Pequea Ammoniated, -----	Amos Eby & Co., Leaman Place, -----
4787	Eby Pequea Ammoniated, -----	Amos Eby & Co., Leaman Place, -----
3686	Eby Pequea Economy, -----	Amos Eby & Co., Leaman Place, -----
4788	Eby Pequea Economy, -----	Amos Eby & Co., Leaman Place, -----
3683	Eby Pequea High Grade, -----	Amos Eby & Co., Leaman Place, -----
3688	Eby Pequea Leaf Brand, -----	Amos Eby & Co., Leaman Place, -----
3685	Eby Pequea Special Potato, -----	Amos Eby & Co., Leaman Place, -----
4790	Eby Pequea Special Potato, -----	Amos Eby & Co., Leaman Place, -----
3684	Eby Pequea Valley Fertilizer, -----	Amos Eby & Co., Leaman Place, -----
4789	Eby Pequea Valley Fertilizer, -----	Amos Eby & Co., Leaman Place, -----
3863	ERIE REDUCTION CO., ERIE, PA. Erie Corn and Oats Special, -----	Schrimper Brothers, Bellevalley, -----
3862	Erie Potato and Truck Special, -----	Schrimper Brothers, Bellevalley, -----
3864	General Crop Special, -----	Schrimper Brothers, Bellevalley, -----
4692	FARMERS' FERTILIZER AND FEED CO., WESTMINSTER, MD. Potato Grower, -----	C. E. Gobrecht, Hanover, -----
4693	XXX Phosphate, -----	C. E. Gobrecht, Hanover, -----
4999	XXX Phosphate, -----	C. E. Gobrecht, Hanover, -----
3071	FARMERS' FERTILIZER WORKS, ELIZABETHTOWN, PA. Farmer's Best Yet, -----	N. G. Adams, Paxinos, -----
4472	Farmer's Best Yet, -----	N. G. Adams, Paxinos, -----
3294	Farmer's Best Yet, -----	J. T. Auker, Millintown, -----
4314	Farmer's Best Yet, -----	Belleville Flour Mills, Belleville, -----
4779	Farmer's Best Yet, -----	Farmers' Fertilizer Works, Elizabethtown, --
3292	Farmers' Club, -----	J. T. Auker, Millintown, -----
4782	Farmers' Club, -----	Farmers' Fertilizer Works, Elizabethtown, --
4783	Farmers' Golden Sheaf, -----	Farmers' Fertilizer Works, Elizabethtown, --
4378	Farmers' Golden Sheaf, -----	George H. Steininger, Middleburg, -----
4780	Farmers' J. X L., -----	Farmers' Fertilizer Works, Elizabethtown, --
3070	Grain and Grass Special, -----	N. G. Adams, Paxinos, -----
3288	Grain and Grass Special, -----	John Auker, Millintown, -----
4778	Grain and Grass Special, -----	Farmers' Fertilizer Works, Elizabethtown, --
4379	Grain and Grass Special, -----	George H. Steininger, Middleburg, -----
3069	Pride of Donegal, -----	N. G. Adams, Paxinos, -----
4317	Pride of Donegal, -----	Belleville Flour Mills, Belleville, -----
4781	Pride of Donegal, -----	Farmers' Fertilizer Works, Elizabethtown, --
3289	Special Potato & Truck Manure, -----	J. T. Auker, Millintown, -----
3097	W. C. FOLLMER, BENTON, PA. 2-12 and 5 Phosphate, -----	W. C. Follmer, Benton, -----
4322	2-12 and 5 Phosphate, -----	W. C. Follmer, Benton, -----

FERTILIZERS—Continued.

NITROGEN.		PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
Found.	Guaranteed.	Total.		Available		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
		Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	%	%	¢	
4.01	4.10	8.43	6.00	7.09	6.00	1.34	-----	5.76	5.00	1.10	4.66	‡-----	3217
1.66	1.65	13.04	12.50	12.04	12.00	1.00	0.50	2.19	2.00	2.19	-----	28.55	3116
1.63	1.65	9.71	8.50	8.85	8.00	0.86	0.50	*9.24	10.00	9.24	-----	32.00	3114
1.60	1.64	12.96	12.50	11.92	12.00	1.04	0.50	3.96	4.00	3.96	-----	-----	4754
1.05	0.82	11.75	12.00	10.93	10.00	0.82	2.00	3.40	3.00	3.40	-----	25.50	3682
1.07	0.82	11.49	12.00	10.15	10.60	1.34	2.00	3.26	3.00	3.26	-----	-----	4787
1.71	1.64	10.42	11.00	9.38	9.60	1.04	2.00	4.32	3.00	4.32	-----	28.50	3686
1.84	1.64	10.35	11.00	9.11	9.00	1.24	2.00	3.37	3.00	3.37	-----	-----	4788
3.57	3.29	8.11	8.00	6.65	6.60	1.46	2.00	6.15	5.00	-----	6.15	36.50	3683
4.09	4.11	8.36	8.00	7.18	6.00	1.18	2.00	6.98	6.00	-----	6.98	45.50	3688
2.32	2.46	9.86	10.00	8.60	8.00	1.26	2.00	7.37	7.00	7.37	-----	34.50	3685
2.62	2.46	9.87	10.00	8.25	8.60	1.62	2.00	7.77	7.00	7.77	-----	-----	4790
1.95	1.64	9.63	10.00	8.71	8.60	0.92	2.00	*9.61	10.00	9.61	-----	32.50	3684
2.00	1.64	9.57	10.00	8.17	8.00	1.40	2.00	*9.54	10.00	9.54	-----	-----	4789
0.78	0.82	11.14	11.00	9.24	9.60	1.90	2.00	4.35	4.00	4.35	-----	25.00	3863
1.59	1.65	11.44	10.00	10.06	8.00	1.38	2.00	*6.72	10.00	6.72	-----	32.50	3862
1.60	1.65	13.80	14.00	12.38	12.60	1.42	2.00	2.30	2.00	2.30	-----	28.50	3864
2.08	1.64	9.49	9.00	8.41	8.00	1.08	1.00	5.50	5.00	5.50	-----	24.50	4092
0.97	0.82	10.37	10.00	9.69	9.00	0.68	1.00	4.11	4.00	4.11	-----	22.25	4093
0.99	0.82	10.33	10.00	9.65	9.60	0.68	1.00	4.44	4.60	4.44	-----	-----	4999
1.78	1.64	9.78	8.50	9.32	8.00	0.46	0.50	*9.56	10.00	9.56	-----	32.00	3071
1.77	1.64	8.65	8.50	8.03	8.00	0.62	0.50	10.57	10.00	10.57	-----	33.00	4472
1.72	1.64	9.68	8.50	8.62	8.00	1.06	0.50	9.86	10.00	9.86	-----	-----	3294
1.95	1.64	9.15	8.50	8.81	8.00	0.34	0.50	10.47	10.00	10.47	-----	32.00	4314
1.74	1.64	9.36	8.50	8.72	8.00	0.64	0.50	10.92	10.00	10.92	-----	-----	4779
*2.08	2.46	10.47	8.50	9.01	8.60	1.46	0.50	6.13	5.00	6.13	-----	-----	3292
2.35	2.46	9.72	9.00	9.14	8.00	0.58	1.00	7.44	5.00	7.44	-----	-----	4782
1.87	1.64	9.44	8.50	9.08	8.00	0.36	0.50	5.55	5.00	5.55	-----	-----	4783
1.90	1.64	8.67	8.50	8.25	8.00	0.42	0.50	5.01	5.00	5.01	-----	28.00	4378
1.92	1.64	13.67	12.00	12.61	12.00	1.06	-----	2.93	2.00	2.93	-----	-----	4780
0.95	0.82	9.52	9.50	9.30	9.00	0.22	0.50	4.09	4.00	4.09	-----	25.00	3070
0.91	0.82	10.84	9.50	10.12	9.60	0.72	0.50	*3.45	4.60	3.45	-----	24.00	3788
1.03	0.82	9.90	9.50	9.46	9.00	0.44	0.50	4.42	4.00	4.42	-----	-----	4778
1.17	0.82	9.57	9.50	9.25	9.00	0.32	0.50	4.34	4.00	4.34	-----	25.00	4379
1.71	1.64	9.69	9.50	9.35	9.60	0.34	0.50	3.27	3.00	3.27	-----	26.75	3069
1.93	1.64	10.13	9.50	9.79	9.00	0.34	0.50	2.97	3.00	2.97	-----	27.00	4317
1.98	1.64	10.14	9.50	9.48	9.00	0.66	0.50	3.05	3.00	3.05	-----	-----	4781
3.21	3.28	8.29	6.50	7.21	6.00	1.08	0.50	11.46	10.00	11.46	-----	36.00	3289
2.11	1.65	13.90	12.50	12.78	12.00	1.12	0.50	6.61	5.00	6.61	-----	29.00	3097
2.00	1.65	13.61	12.50	13.27	12.00	0.34	0.50	*4.71	5.00	4.71	-----	30.00	4322

* Deficient.

‡ Sold at the rate of \$12.00 for 200 lbs.

TABLE III—COMPLETE

Chemist's number.	Name of Manufacturer and Brand	Samples Taken From
	JOSEPH R. GAWTHROP, KENNETT SQUARE, PA.	
2532	Ammoniated Special Phosphate for Corn, Oats and Wheat, -----	Joseph R. Gawthrop, Kennett Square, -----
4969	Ammoniated Special Phosphate for Corn, Oats and Wheat, -----	Joseph R. Gawthrop, Kennett Square, -----
2534	Champion Fertilizer for Wheat and Grass, -----	Joseph R. Gawthrop, Kennett Square, -----
4968	Champion Fertilizer for Wheat and Grass, -----	Joseph R. Gawthrop, Kennett Square, -----
2533	Special Potato Phosphate, -----	Joseph R. Gawthrop, Kennett Square, -----
	GRIFFITH & BOYD CO., BALTIMORE, MD.	
4045	Griffith & Boyd Co.'s Farmers' Potato Manure, -----	Dayton Milling Co., Dayton, -----
4266	Griffith & Boyd Co.'s Farmers' Potato Manure, -----	Cornelius Harman, Montgomery, -----
3908	Griffith & Boyd Co.'s Farmers' Potato Manure, -----	J. F. Hogsett & Sons, Uniontown, -----
2635	Griffith & Boyd Co.'s Farmers' Potato Manure, -----	Charles G. Kleckner, Millmont, -----
3925	Griffith & Boyd Co.'s Farmers' Potato Manure, -----	A. F. Stutzman & Son, Johnstown, -----
4919	Griffith & Boyd Co.'s Fish, Blood and Potash, -----	Adams & Cunningham, Imperial, -----
3779	Griffith & Boyd Co.'s Fish, Blood and Potash, -----	Hoburg Brothers, Etna, -----
3354	Griffith & Boyd Co.'s Fish, Blood and Potash, -----	Houck & Cherrington, Catawissa, -----
4484	Griffith & Boyd Co.'s Fish, Blood and Potash, -----	Houck & Cherrington, Catawissa, -----
4543	Griffith & Boyd Co.'s Fish, Blood and Potash, -----	H. R. McKee, Big Run, -----
3415	Griffith & Boyd Co.'s Fish and Potash Guano, -----	O. L. Allen, Powell, -----
3308	Griffith & Boyd Co.'s Fish and Potash Guano, -----	J. W. Hostetler, Walnut, -----
4948	Griffith & Boyd Co.'s Fish and Potash Guano, -----	Stultz Brothers, Hollidaysburg, -----
3909	Griffith & Boyd Co.'s General Crop Grower, -----	J. F. Hogsett & Sons, Uniontown, -----
4401	Griffith & Boyd Co.'s General Crop Grower, -----	Kline Grain Co., Shelocta, -----
3780	Griffith & Boyd Co.'s Gilt Edge Crop Guano, -----	Hoburg Brothers, Etna, -----
4486	Griffith & Boyd Co.'s Gilt Edge Crop Guano, -----	Houck & Cherrington, Catawissa, -----
2640	Griffith & Boyd Co.'s Gilt Edge Crop Guano, -----	Charles G. Kleckner, Millmont, -----
4405	Griffith & Boyd Co.'s Gilt Edge Crop Guano, -----	Kline Grain Co., Shelocta, -----
3144	Griffith & Boyd Co.'s Gilt Edge Crop Guano, -----	J. D. Repine, Kent, -----
3924	Griffith & Boyd Co.'s Gilt Edge Crop Guano, -----	A. F. Stutzman & Son, Johnstown, -----
2923	Griffith & Boyd Co.'s Growers' Favorite, -----	A. F. Stutzman & Son, Johnstown, -----
3735	Griffith & Boyd Co.'s High Grade Economizer, -----	J. S. Artley, Muncy, -----
2976	Griffith & Boyd Co.'s High Grade Economizer, -----	H. N. Dilling, Martinsburg, -----
4265	Griffith & Boyd Co.'s High Grade Economizer, -----	Cornelius Harman, Montgomery, -----

FERTILIZERS—Continued.

NITROGEN.		PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
Found.	Guaranteed.	Total.		Available		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
		Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	%	%	\$	
1.84	1.64	8.80	8.00	8.50	8.00	0.30	-----	4.47	4.00	4.47	-----	35.00	2532
1.64	1.64	9.82	8.00	9.28	8.00	0.54	-----	4.17	4.00	4.17	-----	-----	4969
1.66	1.64	11.70	9.00	10.20	9.00	1.50	-----	3.41	3.00	3.41	-----	38.00	2534
1.64	1.64	11.26	9.00	9.88	9.00	1.38	-----	3.38	3.00	3.38	-----	-----	4968
1.43	1.23	7.96	7.50	7.72	7.50	0.24	-----	5.53	5.00	5.53	-----	35.00	2533
1.08	0.82	8.29	9.00	7.99	8.00	0.30	1.00	6.61	6.00	6.61	-----	24.00	4045
0.96	0.82	9.06	9.00	8.36	8.00	0.70	1.00	6.03	6.00	6.03	-----	-----	4266
0.99	0.82	9.24	9.00	8.38	8.00	0.86	1.00	6.08	6.00	6.08	-----	30.00	3908
0.94	0.82	9.38	9.00	8.60	8.00	0.78	1.00	6.20	6.00	6.20	-----	23.80	2635
1.02	0.82	9.29	9.00	8.51	8.00	0.78	1.00	6.02	6.00	3.50	2.52	35.00	3925
1.58	1.44	11.14	11.25	10.44	10.25	0.70	1.00	2.52	2.00	2.52	-----	32.00	4919
1.70	1.44	11.15	11.25	10.35	10.25	0.80	1.00	2.56	2.00	2.56	-----	31.00	3779
1.65	1.44	11.42	11.25	10.30	10.25	1.12	1.00	2.43	2.00	2.43	-----	26.50	3354
1.46	1.44	11.49	11.25	10.85	10.25	0.64	1.00	2.26	2.00	2.26	-----	26.50	4484
1.38	1.44	11.28	11.25	10.52	10.25	0.76	1.00	2.44	2.00	2.44	-----	27.50	4543
1.72	1.44	11.14	11.00	10.60	10.00	0.54	1.00	3.77	3.00	3.77	-----	34.00	3415
1.61	1.44	10.77	11.00	10.31	10.00	0.46	1.00	3.45	3.00	3.45	-----	-----	3308
1.55	1.44	11.31	11.00	10.79	10.00	0.52	1.00	3.22	3.00	3.22	-----	-----	4948
1.83	1.65	9.40	10.00	9.00	9.00	0.40	1.00	3.34	3.00	3.34	-----	33.00	3909
1.90	1.65	9.25	10.00	8.89	9.00	0.36	1.00	3.32	3.00	3.32	-----	30.00	4401
1.71	1.65	8.56	9.00	8.06	8.00	0.50	1.00	*8.99	10.00	8.99	-----	36.00	3780
1.71	1.65	9.06	9.00	8.34	8.00	0.72	1.00	10.29	10.00	10.29	-----	30.00	4486
*1.43	1.65	8.80	9.00	8.32	8.00	0.48	1.00	*8.62	10.00	8.62	-----	30.00	2640
1.73	1.65	8.74	9.00	8.00	8.00	0.74	1.00	10.79	10.00	10.79	-----	35.65	4405
1.65	1.65	8.70	9.00	8.20	8.00	0.50	1.00	*9.25	10.00	9.25	-----	31.50	3144
1.70	1.65	8.58	9.00	8.08	8.00	0.50	1.00	*8.72	10.00	8.72	-----	38.00	5924
3.37	3.29	8.75	9.00	8.07	8.00	0.68	1.00	4.55	4.00	4.55	-----	36.00	3923
1.65	1.65	13.37	13.00	12.29	12.00	1.08	1.00	5.21	5.00	5.21	-----	32.00	3735
1.92	1.65	12.72	13.00	*11.80	12.00	0.92	1.00	5.63	5.00	5.63	-----	30.50	2976
1.83	1.65	13.04	13.00	11.86	12.00	1.18	1.00	5.40	5.00	5.40	-----	-----	4265

* Deficient.

TABLE III—COMPLETE

Chemist's number.	Name of Manufacturer and Brand	Samples Taken From
4487	Griffith & Boyd Co.'s High Grade Economizer, -----	Houek & Cherrington, Catawissa, -----
2638	Griffith & Boyd Co.'s High Grade Economizer, -----	Charles G. Kleckner, Millmont, -----
4485	Griffith & Boyd Co.'s High Grade Excelsior Guano, -----	Houek & Cherrington, Catawissa, -----
3734	Griffith & Boyd Co.'s High Grade Fish and Potash Mixture, -----	J. S. Artley, Muncy, -----
4273	Griffith & Boyd Co.'s High Grade Fish and Potash Mixture, -----	Cornelius Harman, Montgomery, -----
3598	Griffith & Boyd Co.'s High Grade Fish and Potash Mixture, -----	Harmony Cereal & Milling Co., Harmony, --
4626	Griffith & Boyd Co.'s High Grade Fish and Potash Mixture, -----	Harmony Cereal & Milling Co., Harmony, --
4706	Griffith & Boyd Co.'s High Grade Fish and Potash Mixture, -----	Strickler & Gillan, Greencastle, -----
2933	Griffith & Boyd Co.'s High Grade Fish and Potash Mixture, -----	J. N. Zeisleft, Bloomsburg, -----
4047	Griffith & Boyd Co.'s Nitro Crop Feeder, -----	Dayton Milling Co., Dayton, -----
3782	Griffith & Boyd Co.'s Nitro Crop Feeder, -----	Hoburg Brothers, Etna, -----
4277	Griffith & Boyd Co.'s Peerless Fertilizer, -----	J. S. Artley, Muncy, -----
2639	Griffith & Boyd Co.'s Peerless Fertilizer, -----	Charles G. Kleckner, Millmont, -----
4275	Griffith & Boyd Co.'s Royal Potash Guano, -----	J. S. Artley, Muncy, -----
3600	Griffith & Boyd Co.'s Royal Potash Guano, -----	Harmony Cereal & Milling Co., Harmony, --
4625	Griffith & Boyd Co.'s Royal Potash Guano, -----	Harmony Cereal & Milling Co., Harmony, --
2636	Griffith & Boyd Co.'s Royal Potash Guano, -----	Charles G. Kleckner, Millmont, -----
3927	Griffith & Boyd Co.'s Royal Potash Guano, -----	A. F. Stutzman & Son, Johnstown, -----
4340	Griffith & Boyd Co.'s Special Formula, -----	Hartley & Blaine, Turbotville, -----
3831	Griffith & Boyd Co.'s Special Formula, -----	Earl Renn, Danville, -----
4701	Griffith & Boyd Co.'s Special Formula, -----	Strickler & Gillan, Greencastle, -----
3733	Griffith & Boyd Co.'s Special Guano, -----	J. S. Artley, Muncy, -----
4627	Griffith & Boyd Co.'s Special Guano, -----	Harmony Cereal & Milling Co., Harmony, --
4403	Griffith & Boyd Co.'s Special Guano, -----	Kline Grain Co., Shelocta, -----
4702	Griffith & Boyd Co.'s Special Guano, -----	Strickler & Gillan, Greencastle, -----
4048	Griffith & Boyd Co.'s Special Potato Guano, -----	Dayton Milling Co., Dayton, -----
2977	Griffith & Boyd Co.'s Special Potato Guano, -----	H. N. Dilling, Martinsburg, -----
2641	Griffith & Boyd Co.'s Special Potato Guano, -----	Charles G. Kleckner, Millmont, -----
3928	Griffith & Boyd Co.'s Special Potato Guano, -----	A. F. Stutzman & Son, Johnstown, -----
3143	Griffith & Boyd Co.'s Spring Crop Grower, -----	J. D. Repine, Kent, -----
	M. P. HUBBARD & COMPANY, INC., BALTIMORE, MD.	
3702	Hubbard's Big Crop Guano, -----	A. L. Herr & Brother, Quarryville, -----
	THE HUBBARD FERTILIZER COMPANY, BALTIMORE, MD.	
4556	Hubbard's Complete Fertilizer, -----	Aeme Milling Co., Cochranton, -----
3504	Hubbard's Complete Fertilizer, -----	W. H. Guthrie, Bentleyville, -----
2675	Hubbard's Excelsior Wheat Grower, ---	Frank L. Allen, Allenwood, -----

FERTILIZERS—Continued.

NITROGEN.		PHOSPHORIC ACID.						POTASH.				Selling price, per ton, at place of selection.	Chemist's number.
Found.	Guaranteed.	Total.		Available		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
		Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	%	%	\$	
1.84	1.65	13.07	13.00	12.49	12.00	0.58	1.00	5.18	5.00	5.18	-----	29.50	4487
1.70	1.65	13.39	13.00	12.49	12.00	0.90	1.00	5.01	5.00	4.70	0.31	29.00	2638
1.83	1.65	17.00	17.00	16.10	16.00	0.90	1.00	8.75	8.00	8.75	-----	36.50	4485
1.63	1.65	12.63	13.00	12.15	12.00	0.48	1.00	8.51	8.00	8.51	-----	36.60	3734
1.89	1.65	12.92	13.00	12.24	12.00	0.68	1.00	8.41	8.00	8.41	-----	34.00	4273
1.73	1.65	12.53	13.00	12.17	12.00	0.36	1.00	8.99	8.00	8.99	-----	35.00	3598
1.86	1.65	12.68	13.00	12.08	12.00	0.60	1.00	8.77	8.00	8.77	-----	40.00	4626
1.74	1.65	13.14	13.00	12.42	12.00	0.72	1.00	8.21	8.00	8.21	-----	-----	4706
1.65	1.65	12.37	13.00	12.03	12.00	0.34	1.00	9.02	8.00	9.02	-----	33.50	2933
*5.31	6.58	5.65	4.50	5.47	4.00	0.18	0.50	2.67	2.00	2.67	-----	43.00	4047
*6.31	6.58	5.27	4.50	5.17	4.00	0.10	0.50	2.17	2.00	2.17	-----	48.00	3782
1.05	0.82	10.24	11.00	9.94	10.00	0.30	1.00	3.18	3.00	3.18	-----	27.50	4277
1.02	0.82	10.86	11.00	10.10	10.00	0.76	1.00	3.84	3.00	3.84	-----	23.00	2639
1.01	0.82	9.82	10.00	9.20	9.00	0.62	1.00	4.33	4.00	4.33	-----	27.50	4275
0.95	0.82	10.20	10.00	9.04	9.00	1.16	1.00	4.54	4.00	4.54	-----	24.00	3600
0.98	0.82	9.82	10.00	9.18	9.00	0.64	1.00	4.35	4.00	4.35	-----	27.50	4625
0.86	0.82	10.60	10.00	9.68	9.00	0.92	1.00	4.95	4.00	4.95	-----	23.00	2636
1.00	0.82	10.29	10.00	9.37	9.00	0.92	1.00	4.31	4.00	4.31	-----	30.00	3927
2.07	1.65	10.84	11.00	10.50	10.00	0.34	1.00	4.20	4.00	4.20	-----	30.50	4340
1.79	1.65	9.91	11.00	*9.49	10.00	0.42	1.00	*3.67	4.00	3.67	-----	29.00	3831
1.84	1.65	11.25	11.00	10.79	10.00	0.46	1.00	4.19	4.00	4.19	-----	-----	4701
1.71	1.65	8.93	9.00	8.43	8.00	0.50	1.00	5.37	5.00	5.37	-----	28.50	3733
1.71	1.65	8.48	9.00	8.02	8.00	0.46	1.00	5.88	5.00	5.88	-----	31.00	4627
1.72	1.65	9.23	9.00	8.79	8.00	0.44	1.00	5.06	5.00	5.06	-----	30.85	4403
1.81	1.65	9.82	9.00	9.36	8.00	0.46	1.00	5.53	5.00	5.53	-----	-----	4702
3.67	3.29	8.60	9.00	8.32	8.00	0.28	1.00	6.80	6.00	6.80	-----	35.00	4048
*2.92	3.29	8.33	9.00	8.03	8.00	0.30	1.00	6.08	6.00	6.08	-----	35.50	2977
3.13	3.29	9.08	9.00	8.42	8.00	0.66	1.00	*5.44	6.00	5.44	-----	32.50	2641
3.38	3.29	8.21	9.00	*7.55	8.00	0.66	1.00	6.23	6.00	6.23	-----	38.00	3928
1.92	2.05	9.24	9.00	8.72	8.00	0.52	1.00	4.32	4.00	4.32	-----	27.75	3143
1.70	1.65	8.95	8.50	8.09	8.00	0.86	0.50	5.23	5.00	5.23	-----	-----	3702
1.71	1.65	13.66	12.50	12.34	12.00	1.32	0.50	2.33	2.00	2.33	-----	23.85	4556
1.62	1.65	13.30	12.50	12.10	12.00	1.20	0.50	2.69	2.00	2.69	-----	32.00	3504
1.03	0.82	9.22	8.50	8.54	8.00	0.68	0.50	*5.21	6.00	5.21	-----	24.00	2675

* Deficient.

TABLE III—COMPLETE

Chemist's number.	Name of Manufacturer and Brand	Samples Taken From
4818	Hubbard's Excelsior Wheat Grower, ---	Chas. M. Harter, Wapwallopen, -----
4544	Hubbards Excelsior Wheat Grower, ---	C. W. King, Cooperstown, -----
4852	Hubbard's Excelsior Wheat Grower, ---	J. H. Sheffer Hardware, Knox, -----
2800	Hubbard's Farmers I. X. L., -----	Frank L. Allen, Allenwood, -----
2716	Hubbard's Jersey Trucker, -----	Acme Milling Co., Cochranton, -----
4555	Hubbard's Jersey Trucker, -----	Acme Milling Co., Cochranton, -----
2578	Hubbard's Jersey Trucker, -----	Agricultural Extension Association, Lock Haven, -----
2676	Hubbard's Jersey Trucker, -----	Frank L. Allen, Allenwood, -----
3129	Hubbard's Jersey Trucker, -----	H. M. Brown, Indiana, -----
4060	Hubbard's Jersey Trucker, -----	J. T. Kephart & Son, Phillipsburg, -----
2850	Hubbard's Jersey Trucker, -----	Kiser Hardware, Shippensville, -----
4490	Hubbard's Jersey Trucker, -----	S. F. Rarig, Catawissa, -----
4941	Hubbard's Jersey Trucker, -----	Somerset Milling Co., Somerset, -----
3793	Hubbard's Jersey Trucker, -----	R. J. Toepfer, Tarentum, -----
2714	Hubbard's Money Maker Fertilizer, ---	Acme Milling Co., Cochranton, -----
2579	Hubbard's Money Maker Fertilizer, ---	Agricultural Extension Association, Lock Haven, -----
3130	Hubbard's Money Maker Fertilizer, ---	H. M. Brown, Indiana, -----
2616	Hubbard's Money Maker Fertilizer, ---	Gallagher & Stevick, Wilkes-Barre, -----
4850	Hubbard's Money Maker Fertilizer, ---	Kiser Hardware Co., Shippensville, -----
4845	Hubbard's Money Maker Fertilizer, ---	Kline Grain Co., Shelocta, -----
3848	Hubbard's Money Maker Fertilizer, ---	Fred. Nester, New Ringgold, -----
4483	Hubbard's Money Maker Fertilizer, ---	S. F. Rarig, Catawissa, -----
4942	Hubbard's Money Maker Fertilizer, ---	Somerset Milling Co., Somerset, -----
3792	Hubbard's Money Maker Fertilizer, ---	R. J. Toepfer, Tarentum, -----
2580	Hubbard's Potato Fertilizer, -----	Agricultural Extension Association, Lock Haven, -----
3132	Hubbard's Potato Fertilizer, -----	H. M. Brown, Indiana, -----
3505	Hubbard's Potato Fertilizer, -----	W. H. Guthrie, Bentleyville, -----
3949	Hubbard's Potato Fertilizer, -----	Wm. Platt, Berlin, -----
2715	Hubbard's 1-9-4 Fertilizer, -----	Acme Milling Co., Cochranton, -----
3255	Hubbard's 1-9-4 Fertilizer, -----	D. L. Hertzler, Mechanicsburg, -----
4061	Hubbard's 1-9-4 Fertilizer, -----	J. T. Kephart & Son, Phillipsburg, -----
4545	Hubbard's 1-9-4 Fertilizer, -----	C. W. King, Cooperstown, -----
4851	Hubbard's 1-9-4 Fertilizer, -----	Kiser Hardware Co., Shippensville, -----
4846	Hubbard's 1-9-4 Fertilizer, -----	Kline Grain Co., Shelocta, -----
2583	Hubbard's 1-9-4 Fertilizer, -----	Peterman Brothers, Muncy, -----
4493	Hubbard's 1-9-4 Fertilizer, -----	S. F. Rarig, Catawissa, -----
3794	Hubbard's 1-9-4 Fertilizer, -----	R. J. Toepfer, Tarentum, -----
2970	Hubbard's 1-9-4 Fertilizer, -----	J. F. Wineland, Curryville, -----
2576	Hubbard's 2-12-4 Fertilizer, -----	Agricultural Extension Association, Lock Haven, -----
3131	Hubbard's 2-12-4 Fertilizer, -----	H. M. Brown, Indiana, -----
2740	Hubbard's 2-12-4 Fertilizer, -----	Edinboro Cooperative Association, Edinboro, -----
4492	Hubbard's 2-12-4 Fertilizer, -----	S. F. Rarig, Catawissa, -----
2622	Hubbard's 2-12-4 Fertilizer, -----	State Hospital Farm, Danville, -----
2570	Hubbard's 2-16-8 Fertilizer, -----	Agricultural Extension Association, Lock Haven, -----
4491	Hubbard's 2-16-8 Fertilizer, -----	S. F. Rarig, Catawissa, -----
2575	Hubbard's 4-16-4 Fertilizer, -----	Agricultural Extension Association, Lock Haven, -----
INDEPENDENT MANUFACTURING CO., PHILADELPHIA, PA.		
2523	Independent's 2-8-5 Fertilizer, -----	Great Valley Mills, Paoli, -----
4986	Independent's 2-8-5 Fertilizer, -----	Great Valley Mills, Paoli, -----
3199	Independent's 2-8-10 Fertilizer, -----	Independent Manufacturing Co., Philadelphia, -----
2520	Independent's 2-10-3 Fertilizer, -----	Great Valley Mills, Paoli, -----
2522	Independent's 3-8-10 Fertilizer, -----	Great Valley Mills, Paoli, -----
3198	Independent's 4-8-7 Fertilizer, -----	Independent Manufacturing Co., Philadelphia, -----
3197	Independent's 5-8-5 Fertilizer, -----	Independent Manufacturing Co., Philadelphia, -----

FERTILIZERS—Continued.

NITROGEN.		PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
Found.	Guaranteed.	Total.		Available		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
		Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	%	%	\$	
1.05	0.82	9.48	8.50	8.76	8.00	0.72	0.50	*4.86	6.00	4.86	-----	25.30	4818
0.92	0.82	9.75	8.50	8.79	8.00	0.96	0.50	*5.35	6.00	5.35	-----	30.00	4544
1.01	0.82	8.47	8.50	7.83	8.00	6.64	0.50	6.01	6.00	6.01	-----	30.50	4852
1.80	1.65	10.50	9.50	9.62	9.00	0.88	0.50	3.59	3.00	3.59	-----	24.25	2800
1.72	1.65	8.81	8.50	7.91	8.00	0.90	0.50	*6.82	10.00	6.82	-----	30.00	2716
1.68	1.65	9.31	8.50	8.65	8.00	0.66	0.50	*9.29	10.00	9.39	-----	32.60	4555
1.69	1.65	9.03	8.50	7.93	8.00	1.10	0.50	10.19	10.00	10.19	-----	30.55	2578
1.72	1.65	8.99	8.50	8.39	8.00	0.60	0.50	10.29	10.00	10.29	-----	29.75	2676
1.79	1.65	9.10	8.50	8.06	8.00	1.04	0.50	10.06	10.00	9.40	0.66	35.00	3129
1.95	1.65	8.80	8.50	8.10	8.00	0.70	0.50	9.93	10.00	9.93	-----	35.00	4060
1.91	1.65	9.01	8.50	8.47	8.00	0.54	0.50	10.00	10.00	10.60	-----	34.50	2850
1.67	1.65	8.56	8.50	8.10	8.00	0.46	0.50	10.56	10.00	10.56	-----	30.00	4490
1.91	1.65	8.97	8.50	8.13	8.00	0.84	0.50	10.49	10.00	10.49	-----	31.75	4941
1.73	1.65	9.57	8.50	8.83	8.00	0.74	0.50	10.54	10.00	10.54	-----	36.00	3793
1.70	1.65	9.12	8.50	*7.70	8.00	1.42	0.50	5.43	5.00	5.43	-----	25.40	2714
1.79	1.65	8.90	8.50	8.00	8.00	0.90	0.50	5.33	5.00	5.33	-----	25.55	2579
1.85	1.65	8.93	8.50	8.09	8.00	0.84	0.50	5.14	5.00	5.14	-----	31.81	3130
1.67	1.65	9.57	8.50	9.15	8.00	0.42	0.50	5.55	5.00	5.55	-----	40.00	2616
1.77	1.65	9.01	8.50	8.57	8.00	0.44	0.50	5.01	5.00	5.01	-----	30.25	4850
1.91	1.65	9.63	8.50	8.25	8.00	1.38	0.50	5.22	5.00	5.22	-----	30.85	4845
1.73	1.65	8.62	8.50	8.16	8.00	0.46	0.50	5.16	5.00	5.16	-----	26.00	3848
1.81	1.65	8.67	8.50	8.05	8.00	0.62	0.50	5.03	5.00	5.03	-----	26.50	4489
1.74	1.65	9.31	8.50	8.83	8.00	0.48	0.50	5.04	5.00	5.04	-----	28.00	4942
1.89	1.65	9.07	8.50	8.63	8.00	0.44	0.50	5.45	5.00	5.45	-----	32.00	3792
3.30	3.29	8.89	8.50	8.33	8.00	6.56	0.50	7.15	7.00	7.15	-----	33.65	2580
3.13	3.29	8.93	8.50	8.17	8.00	0.76	0.50	6.90	7.00	6.90	-----	38.00	3132
*2.95	3.29	9.27	8.50	8.39	8.00	0.88	0.50	*6.67	7.00	6.67	-----	35.05	3505
3.35	3.29	8.21	8.50	*7.73	8.00	0.48	0.50	7.62	7.00	7.62	-----	33.00	3949
1.08	0.82	9.77	9.50	9.01	9.00	0.76	0.50	3.91	4.00	3.91	-----	22.00	2715
0.82	0.82	10.51	9.50	9.71	9.00	0.80	0.50	*3.57	4.00	3.57	-----	25.00	3255
1.01	0.82	9.45	9.50	*8.55	9.00	0.90	0.50	4.81	4.00	4.81	-----	29.00	4061
0.94	0.82	10.47	9.50	9.41	9.00	1.06	0.50	*3.72	4.00	3.72	-----	30.00	4545
1.08	0.82	9.71	9.50	9.01	9.00	0.70	0.50	4.06	4.00	4.06	-----	27.25	4851
0.97	0.82	10.59	9.50	9.63	9.00	0.96	0.50	4.25	4.00	4.25	-----	30.00	4846
0.96	0.82	9.46	9.50	8.90	9.00	0.56	0.50	4.03	4.00	4.03	-----	25.58	2583
0.90	0.82	9.87	9.50	9.21	9.00	0.66	0.50	3.97	4.00	3.97	-----	23.35	4493
0.96	0.82	9.26	9.50	*8.46	9.00	0.80	0.50	4.27	4.00	4.27	-----	29.00	3794
0.98	0.82	9.86	9.50	9.18	9.00	0.68	0.50	4.02	4.00	4.02	-----	24.75	2970
1.65	1.65	12.97	12.50	12.07	12.00	0.90	0.50	4.06	4.00	4.06	-----	28.65	2576
1.67	1.65	13.10	12.50	12.10	12.00	1.00	0.50	4.11	4.00	4.11	-----	33.00	3131
1.57	1.65	12.39	12.50	*11.79	12.00	0.60	0.50	4.12	4.00	4.12	-----	28.50	2740
1.58	1.65	12.50	12.50	11.90	12.00	0.60	0.50	4.15	4.00	4.15	-----	29.00	4492
1.70	1.65	12.83	12.50	12.09	12.00	0.74	0.50	4.07	4.00	4.07	-----	26.22	2622
1.72	1.65	13.70	16.50	*13.27	16.00	0.43	0.50	*7.15	8.00	7.15	-----	35.10	2570
1.72	1.65	17.92	16.50	17.40	16.00	0.52	0.50	8.57	8.00	8.57	-----	35.50	4491
3.92	3.29	13.20	16.50	*13.03	16.00	0.17	0.50	4.29	4.00	4.39	-----	37.35	2575
2.52	1.64	10.24	9.00	9.64	8.00	0.60	1.00	5.18	5.00	5.18	-----	31.00	2523
2.51	1.64	10.87	9.00	8.73	8.00	2.14	1.00	5.17	5.00	5.17	-----	30.50	4986
1.90	1.64	9.61	9.00	8.75	8.00	0.86	1.00	*6.79	10.00	6.79	-----	27.00	3199
2.01	1.64	11.45	10.00	10.83	10.00	0.62	-----	3.51	3.00	3.51	-----	32.50	2520
2.67	2.46	11.02	9.00	9.12	8.00	1.90	1.00	11.63	10.00	11.63	-----	39.00	2522
3.29	3.29	8.32	9.00	*7.03	8.00	1.29	1.00	*6.48	7.00	6.48	-----	32.25	3198
4.17	4.11	9.38	9.00	8.52	8.00	0.86	1.00	6.07	5.00	6.07	-----	33.50	2197

* Deficient.

TABLE III—COMPLETE

Chemist's number.	Name of Manufacturer and Brand	Samples Taken From
3200	Independent's 7-6-5 Fertilizer, -----	Independent Manufacturing Co., Philadelphia,
2880	Independent's Wonder Worker 10-6-2, -----	Webb Brothers, Altoona, -----
	INTERNATIONAL AGRICULTURAL CORPORATION, BUFFALO, N. Y.	
4192	Buffalo Crop Grower 2-12-2, -----	W. H. Beggs, Sandy Lake, -----
4637	Buffalo Crop Grower 2-12-2, -----	Greenville Coal & Ice Co., Greenville, -----
3099	Buffalo Crop Grower 2-12-2, -----	Linesville Milling Co., Linesville, -----
3584	Buffalo Ideal 2-8-5, -----	J. A. Cover, New Castle, -----
3103	Buffalo Ideal 2-8-5, -----	Linesville Milling Co., Linesville, -----
4193	Buffalo Supreme 2-8-10, -----	W. H. Beggs, Sandy Lake, -----
4842	Buffalo Supreme 2-8-10, -----	Kline Grain Co., Shelocta, -----
3098	Buffalo Supreme 2-8-10, -----	Linesville Milling Co., Linesville, -----
3585	Buffalo Tip Top 1-9-4, -----	J. A. Cover, New Castle, -----
3102	Buffalo Tip Top 1-9-4, -----	Linesville Milling Co., Linesville, -----
3161	I. A. C. Multiple Strength 4-16-20, -----	Eulalia Milling Co., Coudersport, -----
3163	I. A. C. Multiple Strength 8-16-8, -----	Eulalia Milling Co., Coudersport, -----
3101	I. A. C. Multiple Strength 8-16-8, -----	Linesville Milling Co., Linesville, -----
	J. & J. GUANO COMPANY, YORK, PA.	
4993	J. & J. Two Fold Guano, -----	J. & J. Guano Co., York, -----
	THE JARECKI CHEMICAL CO., SAN- DUSKY, OHIO.	
3995	Jarecki's Potato Grower, -----	Charles Lumberg, Mt. Jewett, -----
3807	Jarecki's Potato Grower, -----	R. T. Zimmerman, Bellefonte, -----
3996	Jarecki's Super Trucker, -----	Charles Lumberg, Mt. Jewett, -----
4534	Jarecki's 1-9-4 Fertilizer, -----	The Farmers' Exchange, Inc., Clearfield, -----
4747	Jarecki's 2-8-5 Fertilizer, -----	Roy Zimmerman, Bellefonte, -----
3588	Jarecki's 2-12-2 Fertilizer, -----	L. W. Crummy, Greenville, -----
4533	Jarecki's 2-12-2 Fertilizer, -----	The Farmers' Exchange, Inc., Clearfield, -----
3998	Jarecki's 2-12-4 Fertilizer, -----	Charles Lumberg, Mt. Jewett, -----
3808	Jarecki's 2-12-4 Fertilizer, -----	Roy T. Zimmerman, Bellefonte, -----
4054	Jarecki's 2-16-8 Fertilizer, -----	L. E. Hess, Philipsburg, -----
3591	Jarecki's 4-16-4 Fertilizer, -----	L. W. Crummy, Greenville, -----
4056	Jarecki's 4-16-4 Fertilizer, -----	L. E. Hess, Philipsburg, -----
3997	Jarecki's 4-16-4 Fertilizer, -----	Charles Lumberg, Mt. Jewett, -----
	KEYSTONE BONE FERTILIZER CO., PHILADELPHIA, PA.	
3009	Keystone Early Potato Manure, -----	P. K. Smith, Nescopeck, -----
4772	Keystone Excelsior Wheat Grower, -----	Titus Merkel, Shoemakersville, -----
4773	Keystone Truck and Corn Manure, -----	Titus Merkel, Shoemakersville, -----
3846	Keystone Truck and Corn Manure, -----	Fred Nester, New Ringgold, -----
3010	Keystone Truck and Corn Manure, -----	P. K. Smith, Nescopeck, -----
4715	Keystone Truck and Corn Manure, -----	P. K. Smith, Nescopeck, -----
	KEYSTONE GRANGE EXCHANGE, INC., HARRISBURG, PA.	
2708	Granger's Choice, -----	Cochranton Cooperative Association, Cochranton, -----
4547	Granger's Choice, -----	Cochranton Cooperative Association, Cochranton, -----
3425	Granger's Choice, -----	H. P. Yonkin, Dushore, -----
4190	Granger's Climax, -----	K. G. Bowmer, Stoneboro, -----
2706	Granger's Climax, -----	Cochranton Cooperative Association, Coch- ranton, -----
4549	Granger's Climax, -----	Cochranton Cooperative Association, Coch- ranton, -----
3989	Granger's Climax, -----	Lynn H. Hall, Harrisburg, -----
2836	Granger's Climax, -----	G. B. Waehob, DuBois, -----
3581	Granger's Potato, -----	Joseph C. Britton, New Galllee, -----
2838	Granger's Potato, -----	G. B. Waehob, DuBois, -----

FERTILIZERS—Continued.

NITROGEN.		PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
Found.	Guaranteed.	Total.		Available		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
		Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	%	%	\$	
5.73	5.75	7.30	7.00	6.86	6.00	0.44	1.00	5.11	5.00	5.11	-----	39.00	3200
*7.65	8.20	7.23	7.00	6.95	6.00	0.28	1.00	2.74	2.00	2.74	-----	70.00	2880
1.50	1.65	13.01	13.00	12.27	12.00	0.74	1.00	2.53	2.00	2.53	-----	31.70	4192
1.94	1.65	13.46	13.00	12.04	12.00	1.42	1.00	2.28	2.00	1.90	0.38	32.00	4637
1.72	1.65	12.81	13.00	12.29	12.00	0.52	1.00	2.28	2.00	2.28	-----	26.00	3099
1.59	1.65	8.74	9.00	8.22	8.00	0.52	1.00	5.09	5.00	5.09	-----	31.00	3584
1.72	1.65	8.93	9.00	8.27	8.00	0.66	1.00	5.37	5.00	5.37	-----	25.75	3103
1.67	1.65	8.66	9.00	8.28	8.00	0.38	1.00	10.10	10.00	10.10	-----	36.10	4193
1.77	1.65	8.48	9.00	8.02	8.00	0.46	1.00	10.59	10.00	10.59	-----	36.00	4812
1.65	1.65	8.19	9.00	7.89	8.00	0.30	1.00	10.38	10.00	10.38	-----	29.75	3098
0.89	0.82	9.45	10.00	9.05	9.00	0.40	1.00	4.29	4.00	4.29	-----	27.55	3585
0.67	0.82	9.82	10.00	9.28	9.00	0.54	1.00	6.10	4.00	6.10	-----	21.50	3102
3.17	3.30	18.19	17.00	17.97	16.00	0.22	1.00	*16.72	20.00	16.72	-----	61.00	3161
*6.12	6.58	16.27	17.00	16.03	16.00	0.24	1.00	8.82	8.00	8.82	-----	62.00	3163
*6.10	6.58	15.96	17.00	*15.21	16.00	0.75	1.00	9.19	8.00	9.19	-----	55.00	3101
1.58	1.65	10.04	8.50	9.26	8.00	0.78	0.50	5.89	5.00	5.89	-----	26.00	4993
3.43	3.29	8.85	8.50	8.53	8.00	0.32	0.50	*6.78	7.00	6.78	-----	36.00	3995
3.31	3.29	8.87	8.50	8.55	8.00	0.32	0.50	7.00	7.00	7.00	-----	30.40	3807
*4.83	5.76	11.72	12.50	*11.26	12.00	0.46	0.50	7.06	7.00	7.06	-----	50.00	3996
0.97	0.82	9.69	9.50	9.23	9.00	0.46	0.50	4.42	4.00	4.42	-----	31.00	4534
1.75	1.65	9.57	8.50	8.97	8.00	0.60	0.50	5.18	5.00	5.18	-----	-----	4747
1.94	1.65	12.03	12.50	*11.55	12.00	0.48	0.50	2.08	2.00	1.40	0.68	28.55	3588
1.68	1.65	12.86	12.50	12.40	12.00	0.46	0.50	2.33	2.00	2.33	-----	35.00	4533
1.73	1.65	12.63	12.50	11.99	12.00	0.64	0.50	4.06	4.00	4.06	-----	31.00	3998
1.75	1.65	12.28	12.50	*11.62	12.00	0.66	0.50	4.29	4.00	4.29	-----	25.33	3808
1.69	1.65	16.33	16.50	16.15	16.00	0.18	0.50	8.84	8.00	8.84	-----	40.00	4054
*3.06	3.29	16.94	16.50	16.74	16.00	0.20	0.50	4.12	4.00	4.12	-----	40.00	3591
3.59	3.29	17.63	16.50	17.27	16.00	0.36	0.50	4.71	4.00	4.71	-----	38.90	4056
3.29	3.29	17.37	16.50	16.91	16.00	0.46	0.50	4.09	4.00	3.30	0.79	48.00	3997
*3.06	3.28	9.06	9.00	8.60	8.00	0.46	1.00	7.33	7.00	7.33	-----	29.85	3009
1.03	0.82	9.95	10.00	9.03	9.00	0.92	1.00	4.30	4.00	4.30	-----	-----	4772
1.90	1.64	8.94	9.00	8.50	8.00	0.44	1.00	10.49	10.00	10.49	-----	27.10	4773
1.65	1.64	8.89	9.00	8.29	8.00	0.60	1.00	10.31	10.00	8.70	1.61	31.00	3846
1.71	1.64	9.12	9.00	8.72	8.00	0.40	1.00	*9.40	10.00	9.40	-----	26.50	3010
1.77	1.64	9.26	9.00	8.74	8.00	0.52	1.00	10.50	10.00	10.50	-----	30.00	4715
1.85	1.65	13.50	12.50	11.84	12.00	1.66	0.50	2.12	2.00	1.40	0.72	28.25	2708
1.77	1.65	13.79	12.50	12.21	12.00	1.58	0.50	2.29	2.00	2.29	-----	28.25	4547
2.64	1.65	14.29	12.50	13.05	12.00	1.24	0.50	2.27	2.00	2.27	-----	26.30	3425
1.79	1.65	9.31	8.50	8.51	8.00	0.80	0.50	10.19	10.00	10.19	-----	30.50	4190
1.72	1.65	9.02	8.50	8.06	8.00	0.96	0.50	10.31	10.00	10.31	-----	31.75	2706
1.79	1.65	9.03	8.50	8.25	8.00	0.78	0.50	9.81	10.00	8.40	1.41	32.75	4549
1.97	1.65	9.01	8.50	7.89	8.00	1.12	0.50	9.98	10.00	9.40	0.58	30.00	3989
2.36	1.65	9.21	8.50	8.17	8.00	1.04	0.50	*9.51	10.00	9.51	-----	30.00	2836
3.47	3.29	9.13	8.50	8.29	8.00	0.84	0.50	6.96	7.00	6.96	-----	34.50	3581
3.53	3.29	9.64	8.50	8.78	8.00	0.86	0.50	*6.76	7.00	6.76	-----	33.50	2838

* Deficient.

TABLE III—COMPLETE

Chemist's number.	Name of Manufacturer and Brand	Samples Taken From
3426	Granger's Potato, -----	H. F. Yonkins, Dushore, -----
4191	Granger's Prize, -----	K. G. Bowmer, Stoneboro, -----
2707	Granger's Prize, -----	Cochranon Cooperative Association, Cochranon, -----
4546	Granger's Prize, -----	Cochranon Cooperative Association, Cochranon, -----
3226	Granger's Prize, -----	Chas. M. Pallman, Clarks Summit, -----
3498	Granger's Prize, -----	Roy Robinson, Coal Centre, -----
2667	Granger's Tip Top, -----	J. N. Baker, Allenwood, -----
3420	Granger's Tip Top, -----	H. P. Yonkins, Dushore, -----
KOLLER FERTILIZER COMPANY, SEITZLAND, PA.		
4072	Koller's Ammoniated Phosphate, -----	Koller Fertilizer Co., Seitzland, -----
4992	Koller's Ammoniated Phosphate, -----	Koller Fertilizer Co., Seitzland, -----
4074	Koller's Corn Special Phosphate, -----	Koller Fertilizer Co., Seitzland, -----
4078	Koller's Lion Brand Phosphate, -----	Koller Fertilizer Co., Seitzland, -----
4987	Koller's Lion Brand Phosphate, -----	Koller Fertilizer Co., Seitzland, -----
4076	Koller's Potato Grower Phosphate, -----	Koller Fertilizer Co., Seitzland, -----
4990	Koller's Potato Grower Phosphate, -----	Koller Fertilizer Co., Seitzland, -----
4077	Koller's Producer Phosphate, -----	Koller Fertilizer Co., Seitzland, -----
4075	Koller's Super Ammoniated Phosphate, -----	Koller Fertilizer Co., Seitzland, -----
4988	Koller's Super Ammoniated Phosphate, -----	Koller Fertilizer Co., Seitzland, -----
4081	Koller's Super Analysis Fertilizer, -----	Koller Fertilizer Co., Seitzland, -----
4079	Koller's Tobacco and Truck Special Phosphate, -----	Koller Fertilizer Co., Seitzland, -----
4980	Koller's Tobacco and Truck Special Phosphate, -----	Koller Fertilizer Co., Seitzland, -----
LANCASTER BONE FERTILIZER CO., LANCASTER, PA.		
4521	Conestoga Brand Farmers' Favorite, -----	J. C. Benson, Milroy, -----
3388	Conestoga Brand Farmers' Favorite, -----	Firestone & Shillito, Dillsburg, -----
2796	Conestoga Brand Farmers' Favorite, -----	George W. Reppert, Hamburg, -----
4377	Conestoga Brand Farmers' Favorite, -----	George H. Steininger, Middleburg, -----
4585	Conestoga Brand Farmers' Favorite, -----	Henry S. Zook, Elverson, -----
4474	Conestoga Brand Fish Compound, -----	W. W. Kalb, Sunbury, -----
3841	Conestoga Brand Fish Compound, -----	Elias M. Kintzel, Pine Grove, -----
4583	Conestoga Brand Fish Compound, -----	Henry S. Zook, Elverson, -----
3390	Conestoga Brand Harvest Queen, -----	Firestone & Shillito, Dillsburg, -----
4523	Conestoga Brand Harvest Queen, -----	Henry Fisher, Reedsville, -----
3840	Conestoga Brand Harvest Queen, -----	Elias M. Kintzel, Pine Grove, -----
4468	Conestoga Brand Harvest Queen, -----	L. E. Rhoads, Selinsgrove, -----
4584	Conestoga Brand Harvest Queen, -----	Henry S. Zook, Elverson, -----
4475	Conestoga Brand Lancaster Peerless, -----	W. W. Kalb, Sunbury, -----
3389	Conestoga Brand Potato and Truck Guano, -----	Firestone & Shillito, Dillsburg, -----
3809	Conestoga Brand Potato Grower, -----	Elias M. Kintzel, Pine Grove, -----
LANCASTER CHEMICAL CO., LANCASTER, PA.		
3675	No. 1 Tobacco and Vegetable, -----	Lancaster Chemical Co., Lancaster, -----
3674	No. 2 Dewey Brand, -----	Lancaster Chemical Co., Lancaster, -----
3678	No. 5 Flag Brand, -----	Lancaster Chemical Co., Lancaster, -----
3680	No. 10 High Grade Trucker, -----	Lancaster Chemical Co., Lancaster, -----
3454	No. 19 Potato Special, -----	Allen S. Becker, Hamburg, -----
3676	No. 19 Potato Special, -----	Lancaster Chemical Co., Lancaster, -----
LEBANON FERTILIZER WORKS, LEBANON, PA.		
3887	Levan's One-Nine-Four, -----	John Bayer, Hamburg, -----
3699	Levan's One-Nine-Four, -----	A. L. Herr & Brother, Quarryville, -----

FERTILIZERS—Continued.

NITROGEN.		PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
Found.	Guaranteed.	Total.		Available		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
		Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	%	%	\$	
3.51	3.29	9.49	8.50	8.65	8.00	0.84	0.50	*6.29	7.00	6.29	-----	23.30	3426
1.71	1.65	9.41	8.50	8.35	8.00	1.06	0.50	5.25	5.00	5.25	-----	27.00	4191
1.66	1.65	9.12	8.50	8.06	8.00	1.06	0.50	5.92	5.00	5.92	-----	28.25	2707
1.85	1.65	9.44	8.50	8.16	8.00	1.28	0.50	5.23	5.00	5.23	-----	28.25	4546
1.67	1.65	9.13	8.50	8.03	8.00	1.10	0.50	5.16	5.00	5.16	-----	21.50	32.6
1.95	1.65	9.12	8.50	8.00	8.00	1.12	0.50	7.55	5.00	7.55	-----	27.00	3498
3.47	3.29	13.80	16.50	*13.26	16.00	0.54	0.50	*8.33	10.00	8.33	-----	44.30	2667
3.85	3.29	16.16	16.50	*14.23	16.00	1.93	0.50	9.84	10.00	9.84	-----	44.80	3420
0.92	0.82	10.84	8.50	8.32	8.00	2.52	0.50	5.38	5.00	5.38	-----	22.75	4072
0.77	0.82	11.20	8.50	10.14	8.00	1.06	0.50	5.90	5.00	5.90	-----	22.75	4992
1.55	0.82	12.49	12.00	*9.35	10.00	3.14	2.00	4.73	4.00	4.73	-----	24.50	4074
1.65	1.65	12.09	11.00	10.93	10.00	1.16	1.00	5.83	6.00	5.83	-----	28.00	4078
*1.33	1.65	11.02	11.00	10.04	10.00	0.98	1.00	6.62	6.00	6.62	-----	27.50	4987
1.03	0.82	10.97	8.50	8.77	8.00	2.20	0.50	7.94	8.00	7.94	-----	25.00	4076
0.70	0.82	8.97	8.50	8.59	8.00	0.58	0.50	8.41	8.00	8.41	-----	25.00	4990
1.65	1.65	10.26	9.00	9.22	8.00	1.04	1.00	10.20	10.00	10.20	-----	29.00	4077
1.96	1.65	10.54	9.00	8.46	8.00	2.08	1.00	5.14	5.00	5.14	-----	26.50	4075
1.74	1.65	9.12	8.50	8.46	8.00	0.66	0.50	6.26	5.00	6.26	-----	26.00	4988
*2.88	3.30	18.93	17.00	16.67	16.00	2.26	1.00	10.06	10.00	10.06	-----	42.00	4081
2.28	2.46	10.97	8.50	9.83	8.00	1.14	0.50	5.35	5.00	5.35	-----	31.00	4079
2.51	2.46	9.87	8.50	9.11	8.00	0.76	0.50	5.49	5.00	-----	5.49	31.00	4989
0.91	0.82	9.91	10.00	9.37	9.00	0.54	1.00	3.84	4.00	3.84	-----	-----	4521
1.04	0.82	9.76	10.00	9.00	9.00	0.76	1.00	4.24	4.60	4.24	-----	21.75	3388
1.04	0.82	9.78	10.00	9.18	9.00	0.60	1.00	4.43	4.00	4.43	-----	25.00	2796
1.03	0.82	9.44	10.00	8.94	9.00	0.50	1.00	4.12	4.00	4.12	-----	25.00	4377
0.89	0.82	10.01	10.00	9.37	9.00	0.64	1.00	4.17	4.00	4.17	-----	24.00	4585
1.63	1.60	9.75	10.00	8.81	9.00	0.94	1.00	4.24	4.00	4.24	-----	28.50	4474
1.92	1.60	9.73	10.00	*8.75	9.00	0.98	1.00	4.07	4.60	4.07	-----	-----	3841
1.79	1.60	9.95	10.00	9.19	9.00	0.76	1.00	4.27	4.60	4.27	-----	30.60	4583
1.74	1.60	8.74	9.00	8.08	8.00	0.66	1.00	5.09	5.00	5.09	-----	25.15	3390
1.70	1.60	8.87	9.00	8.33	8.00	0.54	1.00	5.11	5.00	5.11	-----	-----	4523
1.94	1.60	9.06	9.00	8.24	8.00	0.82	1.00	*4.48	5.00	4.48	-----	-----	3810
1.78	1.60	8.88	9.00	8.02	8.00	0.86	1.00	5.12	5.00	5.12	-----	27.00	4468
1.75	1.60	8.85	9.00	8.11	8.00	0.74	1.00	4.93	5.00	4.93	-----	28.00	4584
1.77	1.60	12.99	13.00	11.81	12.00	1.18	1.00	2.47	2.00	2.47	-----	28.00	4475
3.31	3.20	9.25	9.00	8.19	8.00	1.06	1.00	7.07	7.00	7.07	-----	33.50	3389
1.69	1.60	8.42	9.00	7.82	8.00	0.60	1.00	*9.53	10.00	9.53	-----	-----	3839
*1.67	2.05	10.72	8.50	9.64	7.50	1.08	1.00	*5.70	7.00	-----	5.70	-----	3675
1.26	1.23	10.55	10.00	9.21	9.00	1.34	1.00	4.03	4.00	4.03	-----	-----	3674
1.94	1.64	8.85	9.00	8.03	8.00	0.82	1.00	5.39	5.00	5.39	-----	-----	3678
*2.15	3.28	9.67	9.00	9.37	8.00	0.30	1.00	7.43	7.00	7.43	-----	-----	3680
*1.13	1.64	10.82	9.00	9.54	8.00	1.28	1.00	10.19	10.00	10.19	-----	30.00	3454
*1.16	1.64	9.61	9.00	8.75	8.00	0.86	1.00	*9.49	10.00	9.49	-----	-----	3676
1.14	0.82	9.18	10.00	8.82	9.00	0.36	1.00	4.10	4.00	4.10	-----	25.00	3887
1.02	0.82	9.36	10.00	8.92	9.00	0.44	1.00	4.17	4.00	4.17	-----	-----	3699

* Deficient.

TABLE III—COMPLETE

Chemist's number.	Name of Manufacturer and Brand	Samples Taken From
4798	Levan's One-Nine-Four, -----	A. L. Herr & Brother, Quarryville, -----
3962	Levan's One-Nine-Four, -----	V. A. Huber, Patton, -----
4586	Levan's One-Nine-Four, -----	James W. Rentschler, Hamburg, -----
3886	Levan's Two-Eight-Five, -----	John Bayer, Hamburg, -----
3698	Levan's Two-Eight-Five, -----	A. L. Herr & Brother, Quarryville, -----
4799	Levan's Two-Eight-Five, -----	A. L. Herr & Brother, Quarryville, -----
3022	Levan's Two-Eight-Five, -----	Chas. Mertz, Slatington, -----
4587	Levan's Two-Eight-Five, -----	James W. Rentschler, Hamburg, -----
4761	Levan's Two Eight Ten, -----	John A. Bayer, Hamburg, -----
4800	Levan's Two Eight Ten, -----	A. L. Herr & Brother, Quarryville, -----
3961	Levan's Two Eight Ten, -----	V. A. Huber, Patton, -----
3023	Levan's Two Eight Ten, -----	Chas. Mertz, Slatington, -----
4590	Levan's Two Twelve Five, -----	James W. Rentschler, Hamburg, -----
3843	Levan's Three Twelve Six, -----	Wm. Zerbe Kintzel, Pine Grove, -----
4589	Levan's Three Twelve Six, -----	James W. Rentschler, Hamburg, -----
3842	Levan's Four Eight Seven, -----	Wm. Zerbe Kintzel, Pine Grove, -----
4588	Levan's Four Eight Seven, -----	James W. Rentschler, Hamburg, -----
FRED E. LORD, ESPY, PA.		
2812	Columbia County Garden Special, -----	Fred E. Lord, Espy, -----
4334	Columbia County Garden Special, -----	Fred E. Lord, Espy, -----
2813	Columbia County High Analysis Special, -----	Fred E. Lord, Espy, -----
4335	Columbia County High Analysis Special, -----	Fred E. Lord, Espy, -----
2811	Columbia County Potato Special, -----	Fred E. Lord, Espy, -----
4324	Columbia County Potato Special, -----	Fred E. Lord, Espy, -----
4811	Columbia County Spring Special, -----	John T. Davis, St. Johns, -----
2810	Columbia County Spring Special, -----	Fred E. Lord, Espy, -----
4325	Columbia County Spring Special, -----	Fred E. Lord, Espy, -----
THE MILLER FERTILIZER CO., BALTIMORE, MD.		
4351	Miller's 2-8-5, -----	F. M. Bitler, Danville, -----
3251	Miller's 2-8-5, -----	M. C. Deitz's Sons, Mechanicsburg, -----
3657	Miller's 2-8-5, -----	H. C. Glass, East Waterford, -----
4303	Miller's 2-8-5, -----	Ross Goodman, Huntingdon, -----
3548	Miller's 2-8-5, -----	M. T. Harkins, Oxford, -----
2649	Miller's 2-8-5, -----	J. R. Iddings, Mifflinburg, -----
3234	Miller's 2-8-5, -----	Robert Lott, Meshoppen, -----
5007	Miller's 2-8-5, -----	F. H. Shenberg, Brownton, -----
4446	Miller's 2-12-4, -----	Calvin Diltz, Hughesville, -----
3670	Miller's 2-12-4, -----	Ross Goodman, Huntingdon, -----
4302	Miller's 2-12-4, -----	Ross Goodman, Huntingdon, -----
2645	Miller's 2-12-4, -----	J. R. Iddings, Mifflinburg, -----
4235	Miller's 2-12-4, -----	H. J. Lindner & Son, Pottsgrove, -----
5006	Miller's 2-12-4, -----	F. H. Shenberg, Brownton, -----
3883	Miller's 4-8-7, -----	Elmer Bittner, Germanville, -----
3248	Miller's 4-8-7, -----	M. C. Deitz's Sons, Mechanicsburg, -----
4156	Miller's 4-8-7, -----	Grove & Co., Brownton, -----
4102	Miller's 4-8-7, -----	Charles M. Harter, Wapwallopen, -----
2648	Miller's 4-8-7, -----	J. R. Iddings, Mifflinburg, -----
4103	Miller's 4-8-10, -----	Charles M. Harter, Wapwallopen, -----
4304	Miller's 4-12-4, -----	Ross Goodman, Huntingdon, -----
2653	Miller's 4-12-4, -----	H. J. Lindner, Pottsgrove, -----
4339	Miller's Farmers' Profit 2-10-4, -----	Hartley & Blaine, Turbotville, -----
4166	Miller's Farmers' Profit 2-10-4, -----	L. R. Levensgood, Pottstown, -----
4774	Miller's Farmers' Profit 2-10-4, -----	Lewis Schappel, Mohrsville, -----
4155	Miller's Fruit and Vegetable 7-6-5, -----	Grove & Co., Brownton, -----
4449	Miller's Grass and Grain 2-9-3, -----	Calvin Diltz, Hughesville, -----
3668	Miller's Grass and Grain 2-9-3, -----	Ross Goodman, Huntingdon, -----
4512	Miller's Grass and Grain 2-9-3, -----	Dennis Hoffman, Richfield, -----
2651	Miller's Grass and Grain 2-9-3, -----	J. R. Iddings, Mifflinburg, -----
4360	Miller's Grass and Grain 2-9-3, -----	J. R. Iddings, Mifflinburg, -----

FERTILIZERS—Continued.

NITROGEN.		PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
Found.	Guaranteed.	Total.		Available		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
		Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	%	%	\$	
1.06	0.82	9.71	10.00	9.27	9.00	0.44	1.00	3.91	4.00	3.91	-----	-----	4798
1.19	0.82	9.22	10.00	*8.76	9.00	0.46	1.00	4.50	4.00	4.50	-----	-----	3962
1.05	0.82	9.54	10.00	9.06	9.00	0.48	1.00	4.07	4.00	4.07	-----	24.50	4586
1.67	1.65	7.96	9.00	*7.66	8.00	0.30	1.00	4.88	5.00	4.88	-----	28.00	3886
1.50	1.65	8.66	9.00	8.20	8.00	0.46	1.00	5.57	5.00	5.57	-----	-----	3698
2.01	1.65	6.54	9.00	*6.46	8.00	0.08	1.00	5.92	5.00	5.92	-----	-----	4799
1.68	1.65	8.84	9.00	8.56	8.00	0.28	1.00	5.41	5.00	5.41	-----	26.00	3022
1.66	1.65	8.57	9.00	8.29	8.00	0.28	1.00	5.44	5.00	5.44	-----	28.00	4587
1.63	1.65	8.48	9.00	8.08	8.00	0.40	1.00	10.17	10.00	10.17	-----	33.30	4761
1.65	1.65	8.80	9.00	8.42	8.00	0.38	1.00	*9.79	10.00	9.79	-----	-----	4800
*1.40	1.65	8.78	9.00	7.91	8.00	0.87	1.00	*8.55	10.00	8.55	-----	-----	3961
1.63	1.65	8.94	9.00	8.66	8.00	0.28	1.00	9.88	10.00	9.88	-----	29.00	3023
1.65	1.65	12.68	13.00	12.38	12.00	0.30	1.00	5.35	5.00	5.35	-----	31.00	4590
2.57	2.47	12.25	13.00	*11.77	12.00	0.48	1.00	6.83	6.00	6.83	-----	30.83	3843
*2.17	2.47	12.93	13.00	12.27	12.00	0.66	1.00	6.86	6.00	6.86	-----	35.00	4589
3.33	3.29	8.19	9.00	7.87	8.00	0.32	1.00	7.10	7.00	7.10	-----	31.27	3812
3.17	3.29	8.75	9.00	8.53	8.00	0.22	1.00	7.83	7.00	7.83	-----	36.00	4588
4.36	4.11	11.90	10.50	11.36	10.00	0.54	0.50	5.48	5.00	5.48	-----	33.00	2812
4.31	4.11	11.48	10.50	10.74	10.00	0.74	0.50	5.38	5.00	5.38	-----	33.00	4334
3.41	3.29	20.81	20.50	*18.56	20.00	2.25	0.50	8.65	8.00	8.65	-----	43.00	2813
3.27	3.29	22.90	20.50	21.44	20.00	1.46	0.50	*7.69	8.00	7.69	-----	46.00	4335
1.85	1.64	9.61	8.50	9.25	8.00	0.36	0.50	10.47	10.00	10.47	-----	27.90	2811
1.84	1.64	9.57	8.50	9.09	8.00	0.48	0.50	9.95	10.00	9.95	-----	27.90	4324
1.85	1.64	11.43	10.50	10.75	10.00	0.68	0.50	5.08	4.00	5.08	-----	30.00	4811
1.91	1.64	11.61	10.50	10.95	10.00	0.66	0.50	4.60	4.00	4.60	-----	24.75	2810
1.97	1.64	11.67	10.50	10.79	10.00	0.88	0.50	4.52	4.00	4.52	-----	24.75	4325
1.97	1.65	8.83	8.50	8.27	8.00	0.56	0.50	5.09	5.00	5.09	-----	26.30	4351
1.70	1.65	9.18	8.50	7.92	8.00	1.26	0.50	*4.48	5.00	4.48	-----	26.00	3251
1.75	1.65	9.20	8.50	8.10	8.00	1.10	0.50	4.86	5.00	4.86	-----	28.00	3657
1.75	1.65	9.22	8.50	8.44	8.00	0.78	0.50	5.02	5.00	5.02	-----	31.00	4303
1.75	1.65	9.01	8.50	8.49	8.00	0.52	0.50	5.18	5.00	5.18	-----	-----	3548
1.69	1.65	8.57	8.50	8.07	8.00	0.50	0.50	5.00	5.00	5.00	-----	25.50	2649
1.78	1.65	8.06	8.50	*7.54	8.00	0.52	0.50	5.00	5.00	5.00	-----	27.50	3234
1.79	1.65	9.22	8.50	8.08	8.00	1.14	0.50	5.18	5.00	5.18	-----	-----	5007
1.57	1.65	13.14	12.50	12.11	12.00	1.03	0.50	*3.78	4.00	3.78	-----	29.60	4446
1.65	1.65	13.09	12.50	12.05	12.00	1.04	0.50	5.19	4.00	5.19	-----	-----	3670
1.65	1.65	12.95	12.50	11.99	12.00	0.96	0.50	4.83	4.00	4.83	-----	34.00	4302
1.71	1.65	12.76	12.50	12.06	12.00	0.70	0.50	4.09	4.00	4.09	-----	27.50	2645
1.74	1.65	12.60	12.50	*11.76	12.00	0.84	0.50	3.89	4.00	3.89	-----	28.90	4235
1.70	1.65	12.93	12.50	11.99	12.00	0.94	0.50	4.30	4.00	4.30	-----	-----	5006
3.63	3.29	8.24	8.50	7.88	8.00	0.36	0.50	7.71	7.00	7.71	-----	35.00	3883
3.41	3.29	8.76	8.50	8.20	8.00	0.56	0.50	6.86	7.00	6.86	-----	35.00	3248
*3.07	3.29	8.80	8.50	8.00	8.00	0.80	0.50	6.89	7.00	6.89	-----	30.50	4156
*3.07	3.29	8.46	8.50	8.04	8.00	0.42	0.50	7.47	7.00	7.47	-----	24.65	4102
3.60	3.29	8.64	8.50	8.26	8.00	0.38	0.50	6.90	7.00	6.90	-----	33.00	2648
3.68	3.29	8.55	8.50	8.15	8.00	0.40	0.50	*8.77	10.00	8.77	-----	37.40	4103
3.30	3.29	12.93	12.50	12.01	12.00	0.92	0.50	4.60	4.00	4.60	-----	39.00	4304
3.46	3.29	12.63	12.50	12.17	12.00	0.46	0.50	4.34	4.00	4.34	-----	35.15	2653
1.67	1.65	10.97	10.50	10.27	10.00	0.70	0.50	4.26	4.00	4.26	-----	30.00	4339
1.67	1.65	10.91	10.50	10.07	10.00	0.84	0.50	4.17	4.00	4.17	-----	28.00	4166
1.79	1.65	11.16	10.50	10.42	10.00	0.74	0.50	4.36	4.00	4.36	-----	22.65	4774
5.71	5.76	6.71	6.50	6.49	6.00	0.22	0.50	5.03	5.00	5.03	-----	35.00	4155
1.74	1.65	10.50	9.50	9.58	9.00	0.92	0.50	3.17	3.00	3.17	-----	27.75	4449
1.81	1.65	10.00	9.50	9.02	9.00	0.98	0.50	3.66	3.00	3.66	-----	-----	3668
1.67	1.65	10.10	9.50	9.66	9.00	0.44	0.50	2.90	3.00	2.90	-----	-----	4512
1.84	1.65	9.38	9.50	*8.72	9.00	0.66	0.50	*2.78	3.00	2.78	-----	24.50	2651
1.78	1.65	9.82	9.50	9.10	9.00	0.72	0.50	3.96	3.00	3.96	-----	26.50	4360

* Deficient.

TABLE III—COMPLETE

Chemist's number.	Name of Manufacturer and Brand	Samples Taken From
2913	Miller's Harvest Queen 1-9-4, -----	Francis Baker, Everett, -----
4300	Miller's Harvest Queen 1-9-4, -----	Ross Goodman, Huntingdon, -----
4153	Miller's Harvest Queen 1-9-4, -----	Grove & Co., Brownton, -----
2643	Miller's Harvest Queen 1-9-4, -----	J. R. Iddings, Mifflinburg, -----
4282	Miller's Harvest Queen 1-9-4, -----	Herman Keebler, Montoursville, -----
4231	Miller's Harvest Queen 1-9-4, -----	H. J. Lindner & Son, Pottsgrove, -----
4770	Miller's Harvest Queen 1-9-4, -----	Lewis Schappel, Mohrsville, -----
5008	Miller's Harvest Queen 1-9-4, -----	F. H. Sheaberg, Brownton, -----
4350	Miller's Pimlico 2-8-10, -----	F. M. Bitler, Danville, -----
4898	Miller's Pimlico 2-8-10, -----	W. R. Black, Orbisonia, -----
3250	Miller's Pimlico 2-8-10, -----	M. C. Deitz's Sons, Mechanicsburg, -----
4154	Miller's Pimlico 2-8-10, -----	Grove & Co., Brownton, -----
3553	Miller's Pimlico 2-8-10, -----	M. T. Harkins, Oxford, -----
2652	Miller's Pimlico 2-8-10, -----	J. R. Iddings, Mifflinburg, -----
4283	Miller's Pimlico 2-8-10, -----	Herman Keebler, Montoursville, -----
3236	Miller's Pimlico 2-8-10, -----	Robert Lott, Meshoppen, -----
3554	Miller's Standard Phosphate 3-8-3, -----	M. T. Harkins, Oxford, -----
2650	Miller's Standard Phosphate 3-8-3, -----	J. R. Iddings, Mifflinburg, -----
3249	Miller's Vegetable Compound 5-8-5, -----	M. C. Deitz's Sons, Mechanicsburg, -----
4447	Miller's Vegetable Compound 5-8-5, -----	Calvin Diltz, Hughesville, -----
3235	Miller's Vegetable Compound 5-8-5, -----	Robert Lott, Meshoppen, -----
4899	Miller's Wheat and Grass Grower 2-12-2, -----	W. R. Black, Orbisonia, -----
4448	Miller's Wheat and Grass Grower 2-12-2, -----	Calvin Diltz, Hughesville, -----
2646	Miller's Wheat and Grass Grower 2-12-2, -----	J. R. Iddings, Mifflinburg, -----
4234	Miller's Wheat and Grass Grower 2-12-2, -----	H. J. Lindner & Son, Pottsgrove, -----
5005	Miller's Wheat and Grass Grower 2-12-2, -----	F. H. Shenberg, Brownton, -----
4579	Seott's Potato Grower 2-8-10, -----	A. M. Diehl, Lehighton, -----
MORTON FERTILIZER CO., BALTIMORE, MD.		
3029	Morton's Complete Fertilizer, -----	Jerome H. Loose, Berne, -----
4611	Morton's Complete Fertilizer, -----	Jerome H. Loose, Berne, -----
3833	Morton's Complete Fertilizer, -----	H. B. Low & Son, Orangeville, -----
2777	Morton's Farmers' Favorite, -----	Allen G. Blatt, Bernville, -----
4570	Morton's Farmers' Favorite, -----	Allen G. Blatt, Bernville, -----
4614	Morton's Farmers' Favorite, -----	Jerome H. Loose, Berne, -----
4240	Morton's Farmers' Favorite, -----	H. B. Low & Son, Orangeville, -----
4409	Morton's Oats Special, -----	H. O. Andrews & Son, Mapleton Depot, -----
2776	Morton's Oats Special, -----	Allen G. Blatt, Bernville, -----
3832	Morton's Oats Special, -----	H. B. Low & Son, Orangeville, -----
4238	Morton's Oats Special, -----	H. B. Low & Son, Orangeville, -----
2778	Morton's 10% Potash Fertilizer, -----	Allen G. Blatt, Bernville, -----
4571	Morton's 10% Potash Fertilizer, -----	Allen G. Blatt, Bernville, -----
4771	Morton's 10% Potash Fertilizer, -----	Jerome H. Loose, Berne, -----
3835	Morton's 10% Potash Fertilizer, -----	H. B. Low & Son, Orangeville, -----
4236	Morton's 10% Potash Fertilizer, -----	H. B. Low & Son, Orangeville, -----
2779	Morton's Truckers' Special, -----	Allen G. Blatt, Bernville, -----
4410	Mortons 2-12-6 Mixture, -----	H. O. Andrews & Sons, Mapleton Depot, -----
4237	Morton's 2-12-6 Mixture, -----	H. B. Low & Son, Orangeville, -----
MYERSTOWN FERTILIZER WORKS, MYERSTOWN, PA.		
4173	Corn and Potato Grower, -----	George Lear, Chalfont, -----
4174	Grain and Grass Grower, -----	George Lear, Chalfont, -----
4175	High Grade Fertilizer, -----	George Lear, Chalfont, -----
NITRATE AGENCIES CO., BALTI- MORE, MD.		
3662	Naco Brand Equivalent 2-8-10, -----	Norman Black, Alexandria, -----
3624	Naco Brand 2-8-5, -----	Beaver County Cooperative Association, Beaver, -----
2680	Naco Brand 2-8-5, -----	Win. Pfeilsticker, South Oil City, -----

FERTILIZERS—Continued.

NITROGEN.		PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
Found.	Guaranteed.	Total.		Available		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
		Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	%	%	\$	
0.98	0.82	9.85	9.50	9.15	9.00	0.70	0.50	4.26	4.00	4.26	-----	27.00	2913
1.10	0.82	10.61	9.50	9.39	9.00	1.22	0.50	*3.78	4.00	3.78	-----	27.00	4300
1.07	0.82	9.93	9.50	8.97	9.00	0.96	0.50	4.15	4.00	4.15	-----	21.00	4153
0.94	0.82	9.62	9.50	8.96	9.00	0.66	0.50	3.97	4.00	3.97	-----	23.25	2643
1.16	0.82	9.31	9.50	*8.45	9.00	0.86	0.50	4.35	4.00	4.35	-----	26.50	4282
1.09	0.82	9.93	9.50	9.03	9.00	0.90	0.50	4.15	4.00	4.15	-----	23.35	4231
1.04	0.82	10.41	9.50	9.19	9.00	1.22	0.50	4.12	4.00	4.12	-----	22.65	4770
0.98	0.82	10.46	9.50	9.28	9.00	1.18	0.50	4.19	4.00	4.19	-----	5008	
1.65	1.65	8.75	8.50	8.29	8.00	0.46	0.50	10.15	10.00	10.15	-----	30.90	4350
1.95	1.65	8.87	8.50	8.25	8.00	0.62	0.50	10.06	10.00	10.06	-----	36.00	4898
1.74	1.65	8.71	8.50	8.17	8.00	0.54	0.50	*9.67	10.00	9.67	-----	29.00	3250
1.72	1.65	9.18	8.50	7.98	8.00	1.20	0.50	9.91	10.00	9.91	-----	26.75	4154
1.71	1.65	8.64	8.50	8.02	8.00	0.62	0.50	10.05	10.00	10.05	-----	3553	
1.68	1.65	8.69	8.50	8.17	8.00	0.52	0.50	10.10	10.00	10.10	-----	29.80	2652
1.78	1.65	8.21	8.50	7.81	8.00	0.40	0.50	10.18	10.00	10.18	-----	35.00	4283
1.65	1.65	8.93	8.50	8.43	8.00	0.50	0.50	*9.79	10.00	9.79	-----	34.50	3236
2.41	2.47	8.80	8.50	7.86	8.00	0.94	0.50	3.00	3.00	3.00	-----	3554	
2.38	2.47	8.27	8.50	7.95	8.00	0.32	0.50	2.93	3.00	2.93	-----	26.58	2650
4.01	4.11	8.80	8.50	8.34	8.00	0.46	0.50	5.16	5.00	5.16	-----	35.00	3249
*3.71	4.11	9.86	8.50	8.96	8.00	0.90	0.50	5.03	5.00	5.08	-----	35.50	4447
4.32	4.11	8.60	8.50	8.10	8.00	0.50	0.50	4.90	5.00	4.90	-----	37.50	3235
1.95	1.65	12.55	12.50	11.97	12.00	0.58	0.50	2.26	2.00	2.26	-----	32.00	4899
1.65	1.65	12.88	12.50	11.84	12.00	1.04	0.50	2.54	2.00	2.54	-----	27.85	4448
1.66	1.65	12.78	12.50	11.88	12.00	0.90	0.50	2.29	2.00	2.29	-----	26.25	2646
1.68	1.65	12.63	12.50	*11.75	12.00	0.88	0.50	3.89	2.00	3.89	-----	27.15	4234
1.77	1.65	13.04	12.50	12.10	12.00	0.94	0.50	2.33	2.00	2.33	-----	5005	
1.79	1.65	9.32	9.00	8.80	8.00	0.52	1.00	*9.15	10.00	9.15	-----	4579	
1.68	1.64	13.41	13.00	*11.57	12.00	1.84	1.00	2.34	2.00	2.34	-----	22.05	3029
1.68	1.64	13.23	13.00	11.87	12.00	1.36	1.00	3.85	2.00	3.85	-----	21.65	4611
1.66	1.64	12.18	13.00	*11.28	12.00	0.90	1.00	2.74	2.00	2.74	-----	26.50	3833
1.55	1.64	8.61	9.00	*7.67	8.00	0.94	1.00	5.00	5.00	5.00	-----	21.95	2777
1.68	1.64	9.66	9.00	8.20	8.00	1.46	1.00	5.21	5.00	5.21	-----	4570	
1.76	1.64	9.62	9.00	8.34	8.00	1.28	1.00	*4.77	5.00	4.77	-----	22.10	4614
1.78	1.64	9.06	9.00	7.94	8.00	1.13	1.00	5.12	5.00	5.12	-----	25.50	4210
1.07	0.82	10.97	10.00	9.45	9.00	1.52	1.00	*3.79	4.00	3.79	-----	4409	
0.85	0.82	9.50	10.00	*8.38	9.00	1.12	1.00	4.29	4.00	4.29	-----	19.80	2776
0.74	0.82	9.34	10.00	*8.42	9.00	0.92	1.00	4.58	4.00	4.28	-----	22.50	3832
1.07	0.82	10.23	10.00	*8.79	9.00	1.44	1.00	4.23	4.00	4.23	-----	23.00	4238
1.61	1.64	8.99	9.00	7.81	8.00	1.18	1.00	10.23	10.00	10.23	-----	25.05	2778
1.71	1.64	9.57	9.00	8.17	8.00	1.40	1.00	10.46	10.00	10.46	-----	4571	
1.76	1.64	9.48	9.00	8.32	8.00	1.16	1.00	10.31	10.00	10.31	-----	25.86	4771
1.55	1.64	9.06	9.00	8.22	8.00	0.84	1.00	9.95	10.00	9.95	-----	28.50	3835
1.82	1.64	9.44	9.00	7.94	8.00	1.50	1.00	10.04	10.00	10.04	-----	29.50	4236
*3.74	4.10	9.05	9.00	*7.75	8.00	1.30	1.00	6.93	7.00	6.93	-----	29.45	2779
1.81	1.64	13.94	13.00	12.10	12.00	1.84	1.00	6.24	6.00	6.24	-----	30.00	4410
1.89	1.64	13.20	13.00	*11.44	12.00	1.76	1.00	6.10	6.00	6.10	-----	29.00	4237
*2.32	3.29	9.83	9.00	8.03	8.00	1.80	1.00	5.51	5.00	5.51	-----	36.00	4173
*2.65	3.29	8.04	9.00	*7.06	8.00	0.98	1.00	*6.66	10.00	6.66	-----	43.00	4174
*2.20	3.00	9.31	8.00	*7.32	-----	1.99	-----	3.18	3.00	3.18	-----	31.00	4175
2.00	1.90	9.26	9.90	*8.72	9.40	0.54	0.50	14.44	11.70	14.44	-----	29.06	3662
2.12	1.64	8.85	8.50	7.99	8.00	0.86	0.50	6.38	5.00	6.38	-----	26.00	3624
1.64	1.64	8.21	8.50	7.91	8.00	0.30	0.50	5.64	5.00	5.64	-----	25.45	2680

* Deficient.

TABLE III—COMPLETE

Chemist's number.	Name of Manufacturer and Brand	Samples Taken From
2848	Naco Brand 2-8-5, -----	E. M. Switzer, Shippenville, -----
2681	Naco Brand 2-8-10, -----	Wm. Pfeilsticker, South Oil City, -----
2631	Naco Brand 2-12-2, -----	Beaver County Cooperative Association, Beaver, -----
3857	Naco Brand 2-12-4, -----	Cooperative Grange Milling Co., Titusville, --
2679	Naco Brand 2-12-4, -----	Wm. Pfeilsticker, South Oil City, -----
3943	Naco Brand 4-8-4, -----	S. E. Moser, Sallsburg, -----
3858	Naco Brand 5-10-5, -----	Cooperative Grange Milling Co., Titusville, --
G. OBER & SONS CO., BALTIMORE, MD.		
3619	Ober's Bone Mixture, -----	Petersburg Milling Co., Bessemer, -----
4624	Ober's Bone Mixture, -----	Petersburg Milling Co., Bessemer, -----
3906	Ober's Fruit and Vine Truck Guano, ---	Louck Hardware Co., Connellsville, -----
4068	Ober's Special Plant Food, -----	Jerome Aucker, McAllisterville, -----
4125	Ober's Special Plant Food, -----	J. H. Duttera, New Oxford, -----
2582	Ober's Special Plant Food, -----	J. P. Hill, Muncy, -----
4645	Ober's Special Plant Food, -----	Wendell McGee, Slippery Rock, -----
4187	Ober's Special Plant Food, -----	Peter Shaffer & Sons, New Brighton, -----
3914	Ober's Stag Guano, -----	C. C. Davis, Greensboro, -----
4126	Ober's Stag Guano, -----	J. H. Duttera, New Oxford, -----
2581	Ober's Stag Guano, -----	J. P. Hill, Muncy, -----
4886	Ober's Stag Guano, -----	Loucks Hardware Co., Connellsville, -----
4623	Ober's Stag Guano, -----	Petersburg Milling Co., Bessemer, -----
4124	Ober's Starkey Truck Compound, -----	J. H. Duttera, New Oxford, -----
3620	Ober's Starkey Vegetable Compound, --	Petersburg Milling Co., Bessemer, -----
4069	Ober's Superior Potato and Vegetable Grower, -----	Jerome Aucker, McAllisterville, -----
3907	Ober's Superior Potato and Vegetable Grower, -----	Loucks Hardware Co., Connellsville, -----
3644	Ober's Superior Potato and Vegetable Grower, -----	W. O. Magee, Slippery Rock, -----
3618	Ober's Swan E. Fish Guano, -----	Petersburg Milling Co., Bessemer, -----
OXFORD PACKING WORKS, OXFORD, PA.		
2769	O. P. W. No. 1, -----	Oxford Packing Works, Oxford, -----
3545	O. P. W. No. 2, -----	Oxford Packing Works, Oxford, -----
3546	O. P. W. Special, -----	Oxford Packing Works, Oxford, -----
OYLER & SPANGLER FERTILIZER WORKS, INC., GETTYSBURG, PA.		
2971	O. & S. Crop Grower, -----	J. F. Wineland, Curryville, -----
3931	O. & S. Excelsior, -----	Meyersdale Milling Co., Inc., Meyersdale, --
2974	O. & S. Excelsior, -----	J. F. Wineland, Curryville, -----
3930	O. & S. Potato Special, -----	Meyersdale Milling Co., Inc., Meyersdale, --
2972	O. & S. Potato Special, -----	J. F. Wineland, Curryville, -----
PATUXENT GUANO CO., BALTIMORE, MD.		
4285	Beaver Brand Guano, -----	Chaapel Seed Co., Williamsport, -----
4695	Beaver Brand Guano, -----	Chambersburg Grain Co., Chambersburg, --
3826	Beaver Brand Guano, -----	W. H. Snyder, Winfield, -----
4370	Beaver Brand Guano, -----	W. H. Snyder, Winfield, -----
3769	Patuxent Big Yield, -----	Beckert Seed Store, Pittsburgh, -----
4264	Patuxent Big Yield, -----	Chas. A. B. Boner, Montgomery, -----
4287	Patuxent Champion Fertilizer, -----	Chaapel Seed Co., Williamsport, -----
3392	Patuxent Champion Fertilizer, -----	Dillsburg Grain & Milling Co., Dillsburg, --
4100	Patuxent Champion Fertilizer, -----	Charles M. Harter, Wapwallopen, -----
4476	Patuxent Champion Fertilizer, -----	W. W. Kalb, Sunbury, -----
3767	Patuxent Early Trucker, -----	Beckert Seed Store, Pittsburgh, -----
3766	Patuxent Farmers' Friend, -----	Beckert Seed Store, Pittsburgh, -----

FERTILIZERS—Continued.

NITROGEN.		PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
Found.	Guaranteed.	Total.		Available.		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
		Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	%	%	\$	
1.86	1.64	8.80	8.50	8.30	8.00	0.50	0.50	5.70	5.00	5.70	-----	24.20	2848
1.65	1.64	10.01	8.50	9.71	8.00	0.30	0.50	*8.05	10.00	8.05	-----	28.85	2681
1.62	1.64	13.98	12.50	13.06	12.00	0.92	0.50	3.71	2.00	3.71	-----	26.50	3631
1.87	1.64	12.05	12.50	*11.45	12.00	0.60	0.50	5.36	4.00	5.36	-----	27.50	3857
1.69	1.64	12.28	12.50	11.90	12.00	0.38	0.50	4.47	4.00	4.47	-----	27.25	2679
3.93	3.29	10.28	8.50	9.80	8.00	0.48	0.50	4.04	4.00	4.04	-----	28.60	3943
*3.67	4.11	11.26	10.50	10.90	10.00	0.36	0.50	5.16	5.00	5.16	-----	36.00	3858
1.76	1.65	10.65	10.00	8.85	9.00	1.80	1.00	5.06	5.00	5.06	-----	29.50	3619
1.68	1.65	11.25	10.00	9.35	9.00	1.90	1.00	5.33	5.00	5.33	-----	34.50	4624
4.03	4.12	8.43	9.00	7.83	8.00	0.60	1.00	5.13	5.00	5.13	-----	46.00	3956
1.70	1.65	9.98	10.00	9.16	9.00	0.82	1.00	*4.70	5.00	4.70	-----	-----	4068
1.74	1.65	10.05	10.00	9.29	9.00	0.76	1.00	5.03	5.00	5.03	-----	24.00	4125
1.65	1.65	9.95	10.00	9.01	9.00	0.94	1.00	5.16	5.00	5.16	-----	27.50	2582
1.65	1.65	10.37	10.00	9.15	9.00	1.22	1.00	*4.77	5.00	4.77	-----	32.00	4645
1.74	1.65	9.96	10.00	8.92	9.00	1.04	1.00	5.31	5.00	5.31	-----	30.00	4187
1.00	0.82	9.53	10.00	*8.59	9.00	0.94	1.00	4.02	4.00	4.02	-----	36.00	3914
1.16	0.82	10.20	10.00	9.32	9.00	0.85	1.00	4.49	4.00	4.49	-----	22.35	4126
0.87	0.82	9.71	10.00	8.97	9.00	0.74	1.00	3.93	4.00	3.93	-----	23.00	2581
0.97	0.82	11.23	10.00	9.99	9.00	1.24	1.00	4.32	4.00	4.32	-----	39.00	4886
0.80	0.82	10.30	10.00	9.66	9.00	1.24	1.00	4.07	4.00	4.07	-----	26.00	4623
*3.02	3.30	9.39	9.00	8.31	8.00	1.08	1.00	5.14	5.00	5.14	-----	36.00	4124
3.30	3.30	8.58	9.00	*7.70	8.00	0.88	1.00	10.02	10.00	10.02	-----	39.00	3620
1.65	1.65	8.34	9.00	7.92	8.00	0.42	1.00	10.29	10.00	10.29	-----	-----	4069
1.69	1.65	8.43	9.00	7.95	8.00	0.48	1.00	*9.26	10.00	9.26	-----	40.00	3907
1.60	1.65	8.33	9.00	7.89	8.00	0.44	1.00	10.08	10.00	10.08	-----	38.00	3614
2.08	1.65	9.36	10.00	*8.28	9.00	1.08	1.00	3.65	3.60	2.70	0.95	27.50	3618
1.64	1.64	9.85	9.00	9.11	8.00	0.74	1.00	5.07	5.00	5.07	-----	27.00	2769
1.60	1.64	11.97	11.00	10.57	10.00	1.40	1.00	2.15	2.00	2.15	-----	26.00	3545
1.65	1.64	10.70	9.00	9.94	8.00	0.76	1.00	10.41	10.00	10.41	-----	31.00	3546
1.08	0.82	9.99	9.50	9.15	9.00	0.84	0.50	3.96	4.00	3.96	-----	24.75	2971
1.69	1.65	9.40	8.50	7.98	8.00	1.42	0.50	5.16	5.00	5.16	-----	28.15	3931
1.53	1.65	8.42	8.50	*7.70	8.00	0.72	0.50	5.78	5.00	5.78	-----	28.15	2974
2.28	3.29	9.53	8.50	8.37	8.00	1.16	0.50	6.81	7.00	6.81	-----	35.55	3930
-3.03	3.29	9.31	8.50	8.61	8.00	0.70	0.50	6.85	7.00	6.85	-----	36.85	2972
1.42	0.85	9.95	10.00	9.15	9.00	0.80	1.00	4.25	4.00	4.25	-----	28.00	4285
1.04	0.85	10.56	10.00	9.64	9.00	0.92	1.00	4.19	4.00	4.19	-----	-----	4695
0.91	0.82	9.76	10.00	9.06	9.00	0.70	1.00	4.14	4.00	4.14	-----	-----	3826
0.96	0.85	10.15	10.00	9.33	9.00	0.82	1.00	3.95	4.00	3.95	-----	25.00	4370
1.50	0.82	9.32	10.00	*8.66	9.00	0.66	1.00	5.40	5.00	5.40	-----	33.65	3769
0.96	0.85	10.14	10.00	9.48	9.00	0.66	1.00	*4.73	5.00	4.73	-----	24.00	4264
1.86	1.65	9.15	9.00	8.27	8.00	0.88	1.00	5.23	5.00	5.23	-----	36.00	4287
1.73	1.65	9.41	9.00	8.07	8.00	1.34	1.00	5.02	5.00	5.02	-----	-----	3392
1.73	1.65	9.02	9.00	8.24	8.00	0.68	1.00	4.91	5.00	4.91	-----	26.70	4100
1.79	1.65	8.67	9.00	7.85	8.00	0.82	1.00	5.27	5.00	5.27	-----	26.40	4476
4.17	4.00	7.91	8.00	7.37	7.00	0.54	1.00	5.03	5.00	5.03	-----	47.75	3767
1.75	1.65	13.27	13.00	12.59	12.00	0.68	1.00	2.47	2.00	2.47	-----	37.60	3766

* Deficient.

TABLE III—COMPLETE

Chemist's number.	Name of Manufacturer and Brand	Samples Taken From
3393	Patuxent Farmers' Friend, -----	Dillsburg Grain & Milling Co., Dillsburg, -----
2801	Patuxent Grain and Clover Producer, -----	F. M. Bitler, Danville, -----
4263	Patuxent Grain and Clover Producer, -----	Charles A. B. Boner, Montgomery, -----
4367	Patuxent Grain and Clover Producer, -----	W. H. Snyder, Winfield, -----
4259	Patuxent Plant Food, -----	Charles A. B. Boner, Montgomery, -----
4368	Patuxent Plant Food, -----	W. H. Snyder, Winfield, -----
3768	Patuxent Potato and Truck Guano, --	Beckert Seed Store, Pittsburgh, -----
4286	Patuxent Potato and Truck Guano, --	Chapels Seed Co., Williamsport, -----
2803	Patuxent Tip Top Fertilizer, -----	F. M. Bitler, Danville, -----
4267	Patuxent Tip Top Fertilizer, -----	Charles A. B. Boner, Montgomery, -----
3394	Patuxent Tip Top Fertilizer, -----	Dillsburg Grain & Milling Co., Dillsburg, --
4101	Patuxent Tip Top Fertilizer, -----	Charles M. Harter, Wapwallopen, -----
4366	Patuxent Tip Top Fertilizer, -----	J. P. Walters, Vicksburg, -----
PENNSYLVANIA GUANO COMPANY, PHILADELPHIA, PA.		
4760	Special Fish and Potash Mixture, --	Mahlon W. Snyder, Hamburg, -----
3024	Sweet Potato Manure, -----	Irvin H. Leshner, Hamburg, -----
4758	Sweet Potato Manure, -----	Mahlon W. Snyder, Hamburg, -----
PIEDMONT MT. AIRY GUANO CO., BALTIMORE, MD.		
4513	Piedmont 2-12-2 Fertilizer, -----	F. H. Garman, Richfield, -----
4479	Piedmont 2-12-2 Fertilizer, -----	H. B. Low & Son, Orangeville, -----
4290	Piedmont 2-12-4 Fertilizer, -----	John Ball, Riverside, -----
4741	Piedmont 2-12-4 Fertilizer, -----	H. A. Grubb, State College, -----
2927	Piedmont 2-12-6 Fertilizer, -----	H. O. Andrews & Sons, Mapleton Depot, --
4511	Piedmont 3-12-5 Fertilizer, -----	Dennis Hoffman, Richfield, -----
4065	Piedmont 4-8-6 Fertilizer, -----	H. O. Andrews & Sons, Mapleton Depot, --
2844	Piedmont 4-8-6 Fertilizer, -----	Ditz & Mooney Hardware, Clarion, -----
2563	Piedmont 4-8-6 Fertilizer, -----	L. S. Hummel, Laughlinton, -----
3977	Piedmont 4-8-6 Fertilizer, -----	H. M. Mohler, Carrolltown, -----
2609	Piedmont 4-8-6 Fertilizer, -----	E. F. Peters, Wapwallopen, -----
4309	Piedmont 4-16-4 Fertilizer, -----	A. G. Smith, Mt. Union, -----
4849	Piedmont Farmers' Favorite, -----	Ditz & Mooney Hardware Co., Clarion, -----
3607	Piedmont Farmers' Favorite, -----	W. H. Heckert Sons, Bakerstown, -----
2666	Piedmont Farmers' Favorite, -----	E. F. Peters, Wapwallopen, -----
2557	Piedmont Farmers' Favorite, -----	H. J. Phillippi, Ligonier, -----
4311	Piedmont Farmers' Favorite, -----	J. G. Simpson, Huntingdon, -----
2728	Piedmont Farmers' Favorite, -----	Union Coal & Supply Co., Union City, ----
4514	Piedmont High Grade Vegetable Grow- er, -----	F. H. Garman, Richfield, -----
3606	Piedmont High Grade Vegetable Grow- er, -----	W. H. Heckert Sons, Bakerstown, -----
4052	Piedmont High Grade Vegetable Grow- er, -----	L. E. Hess, Philipsburg, -----
4382	Piedmont High Grade Vegetable Grow- er, -----	Harry Kimmel, Shelocta, -----
3854	Piedmont High Grade Vegetable Grow- er, -----	H. B. Low & Son, Orangeville, -----
2607	Piedmont High Grade Vegetable Grow- er, -----	E. F. Peters, Wapwallopen, -----
4703	Piedmont High Grade Vegetable Grow- er, -----	Strickler & Gillan, Greencastle, -----
2730	Piedmont High Grade Vegetable Grow- er, -----	Union Coal & Supply Co., Union City, ----
2841	Piedmont Perfection Guano, -----	Ditz & Mooney Hardware, Clarion, -----
4480	Piedmont Perfection Guano, -----	H. B. Low & Son, Orangeville, -----
3979	Piedmont Perfection Guano, -----	H. M. Mohler, Carrolltown, -----
2608	Piedmont Perfection Guano, -----	E. F. Peters, Wapwallopen, -----
2555	Piedmont Perfection Guano, -----	H. J. Phillippi, Ligonier, -----
4280	Piedmont Perfection Guano, -----	H. R. Schock, Montoursville, -----

FERTILIZERS—Continued.

NITROGEN.		PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
Found.	Guaranteed.	Total.		Available.		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
		Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	%	%	\$	
1.81	1.65	12.85	13.00	11.93	12.00	0.92	1.00	2.22	2.00	2.22	-----	25.00	3398
1.11	0.82	8.57	9.00	7.97	8.00	0.60	1.00	5.35	5.00	5.35	-----	28.01	2801
1.07	0.85	9.43	9.00	8.37	8.00	1.06	1.00	4.96	5.00	4.96	-----	24.00	4263
1.06	0.85	8.99	9.00	8.09	8.00	0.90	1.00	*4.72	5.00	4.72	-----	25.00	4367
1.81	1.65	12.49	13.00	*11.61	12.00	0.88	1.00	7.17	6.00	7.17	-----	31.00	4259
1.93	1.65	13.11	13.00	12.23	12.00	0.88	1.00	6.38	6.00	6.38	-----	31.50	4368
3.16	3.29	8.89	9.00	8.09	8.00	0.80	1.00	4.16	4.00	4.16	-----	44.00	3768
3.29	3.29	8.99	9.00	8.33	8.00	0.66	1.00	7.00	4.00	7.00	-----	42.00	4286
1.79	1.65	8.74	9.00	8.06	8.00	0.68	1.00	10.00	10.00	10.00	-----	32.80	2803
1.90	1.65	8.73	9.00	7.89	8.00	0.84	1.00	9.98	10.00	9.98	-----	30.00	4267
1.89	1.65	9.20	9.00	8.32	8.00	0.88	1.00	*9.66	10.00	9.66	-----	-----	3394
1.83	1.65	9.02	9.00	8.34	8.00	0.68	1.00	10.07	10.00	10.07	-----	31.30	4101
1.77	1.65	8.80	9.00	7.88	8.00	0.92	1.00	10.18	10.00	10.18	-----	32.00	4366
1.85	1.65	10.20	8.50	8.26	8.00	1.94	0.50	5.82	5.00	5.82	-----	-----	4700
1.92	1.65	10.10	9.00	8.56	8.00	1.54	1.00	10.84	10.00	10.84	-----	-----	3024
1.93	1.65	10.13	9.00	8.97	8.00	1.16	1.00	10.16	10.00	10.16	-----	-----	4758
1.79	1.65	14.22	13.00	12.78	12.00	1.44	1.00	2.68	2.00	2.68	-----	28.00	4518
1.89	1.65	13.16	13.00	11.98	12.00	1.18	1.00	1.97	2.00	1.97	-----	25.50	4479
1.87	1.65	13.04	13.00	11.90	12.00	1.14	1.00	4.03	4.00	4.03	-----	-----	4200
1.70	1.65	14.34	13.00	12.82	12.00	1.52	1.00	4.51	4.00	4.51	-----	29.00	4741
1.74	1.65	12.80	13.00	*10.89	12.00	2.00	1.00	6.59	6.00	6.59	-----	-----	2927
2.33	2.47	12.81	13.00	11.93	12.00	0.88	1.00	5.39	5.00	5.39	-----	-----	4511
3.80	3.29	9.24	9.00	7.96	8.00	1.28	1.00	6.20	6.00	6.20	-----	33.00	4065
3.38	3.29	9.31	9.00	8.61	8.00	0.70	1.00	5.91	6.00	5.91	-----	40.00	2844
3.34	3.29	8.93	9.00	8.19	8.00	0.74	1.00	6.93	6.00	6.93	-----	-----	2563
3.65	3.29	9.32	9.00	8.00	8.00	1.32	1.00	6.02	6.00	6.02	-----	33.50	3977
3.47	3.29	8.73	9.00	8.05	8.00	0.68	1.00	6.07	6.00	6.07	-----	-----	2609
*3.02	3.29	17.40	17.00	16.24	16.00	1.16	1.00	*3.77	4.00	3.77	-----	40.25	4309
0.98	0.82	10.66	10.00	9.42	9.00	1.24	1.00	4.01	4.00	4.01	-----	25.00	4849
1.29	0.82	10.47	10.00	9.67	9.00	0.80	1.00	4.33	4.00	4.33	-----	31.00	3607
0.90	0.82	10.47	10.00	9.91	9.00	0.56	1.00	4.35	4.00	4.35	-----	-----	2606
0.93	0.82	10.47	10.00	9.59	9.00	0.48	1.00	4.16	4.00	4.16	-----	28.00	2557
0.91	0.82	10.84	10.00	9.44	9.00	1.40	1.00	4.17	4.00	4.17	-----	26.00	4311
0.95	0.82	10.17	10.00	9.59	9.00	0.58	1.00	4.23	4.00	4.23	-----	25.75	2728
1.65	1.65	9.63	9.00	8.35	8.00	1.28	1.00	10.74	10.00	10.74	-----	31.00	4514
1.94	1.65	9.21	9.00	8.01	8.00	1.20	1.00	10.43	10.00	10.43	-----	38.00	3606
1.94	1.65	9.69	9.00	8.33	8.00	1.36	1.00	10.51	10.00	10.51	-----	32.00	4052
1.54	1.65	9.95	9.00	8.87	8.00	1.08	1.00	*9.31	10.00	9.31	-----	29.00	4582
*0.80	1.65	9.85	9.00	8.97	8.00	0.88	1.00	12.53	10.00	10.40	2.13	28.50	3854
1.72	1.65	9.27	9.00	8.41	8.00	0.86	1.00	*9.75	10.00	9.75	-----	-----	2607
1.63	1.65	10.10	9.00	9.00	8.00	1.10	1.00	10.85	10.00	10.85	-----	-----	4703
1.82	1.65	8.98	9.00	8.04	8.00	0.94	1.00	10.16	10.00	10.16	-----	33.00	2730
1.91	1.65	8.67	9.00	*7.71	8.00	0.96	1.00	5.33	5.00	5.33	-----	27.90	2841
1.67	1.65	9.44	9.00	8.16	8.00	1.28	1.00	5.35	5.00	5.35	-----	25.50	4489
1.85	1.65	9.08	9.00	*7.76	8.00	1.32	1.00	5.22	5.00	5.22	-----	26.25	3979
1.72	1.65	9.04	9.00	*7.64	8.00	1.40	1.00	5.22	5.00	5.22	-----	-----	2608
1.72	1.65	8.80	9.00	8.40	8.00	0.40	1.00	5.08	5.00	5.08	-----	31.00	2555
1.67	1.65	8.93	9.00	*7.59	8.00	1.34	1.00	5.29	5.00	5.29	-----	29.00	4280

* Deficient.

TABLE III—COMPLETE

Chemist's number.	Name of Manufacturer and Brand	Samples Taken From
3313	Piedmont Perfection Guano, -----	J. G. Simpson, Huntingdon, -----
4299	Piedmont Perfection Guano, -----	J. G. Simpson, Huntingdon, -----
2729	Piedmont Perfection Guano, -----	Union Coal & Supply Co., Union City, ---
	PITTSBURGH PROVISION & PACK- ING CO., PITTSBURGH, PA.	
3784	Keystone Fertilizer, -----	Pittsburgh Provision & Packing Co., Pitts- burgh, -----
4921	Keystone Fertilizer, -----	Pittsburgh Provision & Packing Co., Pitts- burgh, -----
3785	Lawn Fertilizer, -----	Pittsburgh Provision & Packing Co., Pitts- burgh, -----
	RASIN MONUMENTAL CO., SUBSI- DIARY OF THE VIRGINIA-CAROLINA CHEMICAL CORPORATION, BALTI- MORE, MD.	
4434	Rasin's Double National Brand, -----	W. W. Book, Port Royal, -----
3055	Rasin's Double National Brand, -----	Reynoldsville Hardware Co., Reynoldsville,
2823	Rasin's Double Royal Brand, -----	H. B. Low & Son, Orangeville, -----
4241	Rasin's Double Royal Brand, -----	H. B. Low & Son, Orangeville, -----
2789	Rasin's Eastern Shore Potato Special,	W. B. Diehl, Leighton, -----
3298	Rasin's High Grade Truck Compound,	W. W. Book, Port Royal, -----
3151	Rasin's High Grade Truck Compound,	J. I. Dunmire, Marion Center, -----
3328	Rasin's High Grade Truck Compound,	Fred Houseniek, Conyngham, -----
3551	Rasin's High Grade Truck Compound,	Oxford Grain & Hay Co., Oxford, -----
2788	Rasin's Hope Brand, -----	W. B. Diehl, Leighton, -----
4600	Rasin's Hope Brand, -----	W. B. Diehl, Leighton, -----
4242	Rasin's Hope Brand, -----	H. B. Low & Son, Orangeville, -----
2899	Rasin's Hope Brand, -----	C. Raker & Son, McConnellsburg, -----
3295	Rasin's National Crop Compound, --	W. W. Book, Port Royal, -----
4436	Rasin's National Crop Compound, --	W. W. Book, Port Royal, -----
4433	Rasin's Royal Fish and Potash Mix- ture, -----	W. W. Book, Port Royal, -----
3458	Rasin's Royal Fish and Potash Mix- ture, -----	Stanton H. Dunkel, Myerstown, -----
3150	Rasin's Royal Fish and Potash Mix- ture, -----	J. I. Dunmire, Marion Center, -----
2826	Rasin's Royal Fish and Potash Mix- ture, -----	H. B. Low & Son, Orangeville, -----
4243	Rasin's Royal Fish and Potash Mix- ture, -----	H. B. Low & Son, Orangeville, -----
3552	Rasin's Royal Fish and Potash Mix- ture, -----	Oxford Grain & Hay Co., Oxford, -----
3242	Rasin's Sea Wall Truck Compound, --	S. T. Benninger, St. Johns, -----
3737	Rasin's Sea Wall Truck Compound, --	Herman Keebler, Montoursville, -----
2825	Rasin's Sea Wall Truck Compound, --	H. B. Low & Son, Orangeville, -----
3816	Rasin's Universal Crop Manure, -----	Bradford & Co., Center Hall, -----
2790	Rasin's Universal Crop Manure, -----	W. B. Diehl, Leighton, -----
4599	Rasin's Universal Crop Manure, -----	W. B. Diehl, Leighton, -----
3229	Rasin's Universal Crop Manure, -----	Fred. Houseniek, Conyngham, -----
4338	Rasin's Universal Crop Manure, -----	H. A. Snyder, Strawberry Ridge, -----
2787	Rasin's Vegetable Special, -----	W. B. Diehl, Leighton, -----
4598	Rasin's Vegetable Special, -----	W. B. Diehl, Leighton, -----
2824	Rasin's Vegetable Special, -----	H. B. Low & Son, Orangeville, -----
3550	Rasin's Vegetable Special, -----	Oxford Grain & Hay Co., Oxford, -----
3634	Rasin's Vegetable Special, -----	J. S. Riley, New Castle, -----
	READING BONE FERTILIZER CO., READING, PA.	
3791	Blood Meat and Potash Mixture, -----	Campbell Feed Co., Oakdale, -----
4918	Blood Meat and Potash Mixture, -----	Campbell Feed Co., Oakdale, -----
2905	Blood Meat and Potash Mixture, -----	C. A. Claybaugh, Everett, -----

FERTILIZERS—Continued.

NITROGEN.		PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
Found.	Guaranteed.	Total.		Available		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
		Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	%	%	\$	
1.88	1.65	9.24	9.00	7.86	8.00	1.33	1.00	5.58	5.00	5.58	-----	27.00	3313
1.81	1.65	9.35	9.00	8.03	8.00	1.32	1.00	5.16	5.00	5.16	-----	29.00	4299
1.79	1.65	8.93	9.00	8.05	8.00	0.88	1.00	5.74	5.00	5.74	-----	28.50	2729
2.00	1.65	11.97	11.00	9.09	9.00	2.88	2.00	3.22	3.00	3.22	-----	35.00	3784
1.71	1.65	12.14	11.00	11.06	9.00	1.08	2.00	3.31	3.00	3.31	-----	-----	4921
1.89	1.65	11.91	11.00	8.99	9.00	2.92	2.00	4.61	3.00	4.61	-----	40.00	3785
*1.41	1.65	16.41	17.00	*15.77	16.00	0.64	1.00	*7.22	8.00	7.22	-----	36.00	4434
1.87	1.65	16.20	17.00	15.86	16.00	0.34	1.00	8.16	8.00	8.16	-----	42.25	3055
3.56	3.29	16.91	17.00	16.11	16.00	0.80	1.00	6.40	6.00	6.40	-----	39.50	2823
3.53	3.29	17.35	17.00	15.93	16.00	1.42	1.00	6.16	6.00	6.16	-----	42.50	4241
5.37	5.75	7.27	7.00	6.73	6.00	0.54	1.00	5.29	5.00	5.29	-----	39.25	2789
3.49	3.29	9.48	9.00	8.60	8.00	0.88	1.00	*6.59	7.00	6.59	-----	-----	3298
3.37	3.29	9.07	9.00	8.35	8.00	0.72	1.00	7.00	7.00	7.00	-----	31.35	3151
3.56	3.29	9.06	9.00	8.18	8.00	0.83	1.00	7.44	7.00	7.44	-----	37.00	3328
3.50	3.29	9.32	9.00	8.56	8.00	0.76	1.00	7.18	7.00	7.18	-----	35.00	3551
1.77	1.65	12.88	13.00	12.18	12.00	0.70	1.00	4.35	4.00	4.35	-----	28.00	2783
1.92	1.65	14.63	13.00	12.41	12.00	2.22	1.00	4.57	4.00	4.57	-----	-----	4600
1.73	1.65	13.11	13.00	11.97	12.00	1.14	1.00	4.23	4.00	4.23	-----	30.50	4243
1.74	1.65	12.21	13.00	*11.67	12.00	0.54	1.00	4.23	4.00	4.23	-----	31.00	2899
1.06	0.82	10.77	10.00	9.11	9.00	1.66	1.00	4.34	4.00	4.34	-----	-----	3295
1.09	0.82	9.36	10.00	8.96	9.00	0.40	1.00	4.01	4.00	4.01	-----	24.50	4436
1.87	1.65	12.12	10.00	9.80	9.00	2.32	1.00	3.18	3.00	3.18	-----	27.00	4433
1.98	1.65	11.02	10.00	9.34	9.00	1.68	1.00	3.28	3.00	3.28	-----	27.00	3458
1.84	1.65	11.19	10.00	9.03	9.00	2.16	1.00	3.27	3.00	3.27	-----	23.00	3150
1.93	1.65	10.93	10.00	9.05	9.00	1.88	1.00	3.13	3.00	3.13	-----	25.50	2826
1.83	1.65	11.48	10.00	9.10	9.00	2.38	1.00	3.38	3.00	3.38	-----	27.50	4243
1.85	1.65	11.06	10.00	9.00	9.00	2.06	1.00	3.10	3.00	3.10	-----	25.00	3552
4.12	4.11	8.93	9.00	8.19	8.00	0.74	1.00	5.58	5.00	5.58	-----	34.00	3242
4.09	4.11	9.21	9.00	8.17	8.00	1.04	1.00	5.33	5.00	5.33	-----	42.00	3737
4.28	4.11	9.34	9.00	8.02	8.00	1.32	1.00	5.14	5.00	5.14	-----	34.00	2825
1.69	1.65	10.00	9.00	8.68	8.00	1.32	1.00	5.01	5.00	5.01	-----	-----	3816
1.85	1.65	9.40	9.00	8.22	8.00	1.18	1.00	4.92	5.00	4.92	-----	25.50	2790
1.89	1.65	9.67	9.00	*7.75	8.00	1.92	1.00	*4.66	5.00	4.66	-----	-----	4599
1.68	1.65	9.57	9.00	8.49	8.00	1.08	1.00	5.12	5.00	5.12	-----	29.00	3329
1.80	1.65	9.77	9.00	8.27	8.00	1.50	1.00	5.25	5.00	5.25	-----	26.60	4338
1.67	1.65	8.42	9.00	7.90	8.00	0.52	1.00	11.32	10.00	11.32	-----	30.10	2787
1.84	1.65	9.25	9.00	8.05	8.00	1.20	1.00	11.13	10.00	11.13	-----	-----	4598
1.75	1.65	9.69	9.00	8.35	8.00	1.34	1.00	10.00	10.00	10.00	-----	28.50	2824
1.87	1.65	9.40	9.00	8.26	8.00	1.14	1.00	9.84	10.00	9.84	-----	30.00	3550
1.67	1.65	8.50	9.00	8.14	8.00	0.36	1.00	10.14	10.00	10.14	-----	31.00	3634
1.97	1.64	8.95	9.00	8.05	8.00	0.90	1.00	4.62	4.00	4.62	-----	31.00	3791
2.25	1.64	9.44	9.00	8.14	8.00	1.30	1.00	*3.15	4.00	3.15	-----	32.50	4918
1.72	1.64	9.07	9.00	8.49	8.00	0.58	1.00	3.93	4.00	3.93	-----	30.00	2905

* Deficient.

TABLE III—COMPLETE

Chemist's number.	Name of Manufacturer and Brand	Samples Taken From
3392	Blood Meat and Potash Mixture, -----	C. H. Mons, Kylertown, -----
2544	Reading All Crop Special, -----	S. C. Kriebel, West Point, -----
2546	Reading Four Eight and Six, -----	S. C. Kriebel, West Point, -----
4916	Reading Four Eight and Six, -----	Campbell Feed Co., Oakdale, -----
3349	Reading Four Eight and Six, -----	Robert D. Major, Dallas, -----
3390	Reading Four Eight and Six, -----	C. H. Mons, Kylertown, -----
2903	Reading One Eight and Five, -----	C. A. Claybaugh, Everett, -----
4734	Reading One Eight and Five, -----	Goss Brothers, Alexandria, -----
4777	Reading One Eight and Five, -----	Wm. Willets, Calcaun, -----
4917	Reading Three Eight and Five, -----	Campbell Feed Co., Oakdale, -----
4903	Reading Three Eight and Five, -----	J. T. Claybaugh, Everett, -----
3045	Reading Three Eight and Five, -----	John P. Reed, Clarion, -----
3790	Reading Two Eight and Ten, -----	Campbell Feed Co., Oakdale, -----
4915	Reading Two Eight and Ten, -----	Campbell Feed Co., Oakdale, -----
3350	Reading Two Eight and Ten, -----	Robert D. Major, Dallas, -----
2902	Reading Two Twelve and Five, -----	C. A. Claybaugh, Everett, -----
4737	Reading Two Twelve and Five, -----	Goss Brothers, Alexandria, -----
	ROBERT A. REICHARD, INC., ALLENTOWN, PA.	
3040	Reichard's Animal Base 1-9-4, -----	Robert F. Beer, Palmerton, -----
4574	Reichard's Animal Base 2-8-5, -----	E. A. Beck, Leighton, -----
3042	Reichard's Animal Base 2-8-5, -----	Robert F. Beer, Palmerton, -----
3324	Reichard's Animal Base 2-8-5, -----	Emery Reifenberg, St. Johns, -----
4576	Reichard's Animal Base 2-8-10, -----	E. A. Beck, Leighton, -----
3038	Reichard's Animal Base 2-8-10, -----	Robert F. Beer, Palmerton, -----
4817	Reichard's Animal Base 2-8-10, -----	John Williams & Sons, White Haven, -----
4575	Reichard's Animal Base 3-10-0, -----	E. A. Beck, Leighton, -----
3037	Reichard's Animal Base 3-10-6, -----	Robert F. Beer, Palmerton, -----
5036	Reichard's Animal Base 4-8-8, -----	Robert F. Beer, Palmerton, -----
4765	Reichard's Animal Base 4-8-8, -----	Robert F. Beer, Palmerton, -----
5323	Reichard's Animal Base 4-8-8, -----	Emery Reifenberg, St. Johns, -----
	F. S. ROYSTER GUANO COMPANY, BALTIMORE, MD.	
4874	Royster's 2-16-8 Fertilizer, -----	Jefferson Grain & Feed Co., Jefferson, -----
4255	Royster's 2-16-8 Fertilizer, -----	J. M. Rider, Millville, -----
4096	Royster's 4-16-4 Fertilizer, -----	Arnold & Gesford, Dimock, -----
3901	Royster's 4-16-4 Fertilizer, -----	C. L. Ayers, Cannonsburg, -----
3175	Royster's 4-16-4 Fertilizer, -----	M. P. Close, Toga, -----
3516	Royster's 4-16-4 Fertilizer, -----	H. M. Shearer, New Alexandria, -----
2599	Royster's Banner Guano 2-8-10, -----	Chaaaps Seed Co., Williamsport, -----
4572	Royster's Banner Guano 2-8-10, -----	Wm. H. Dreibelles, Shoemakersville, -----
2696	Royster's Banner Guano 2-8-10, -----	Franklin Feed & Supply Co., Franklin, -----
4858	Royster's Banner Guano 2-8-10, -----	H. B. George, Sligo, -----
4466	Royster's Banner Guano 2-8-10, -----	Wm. H. McCunn, Home, -----
2536	Royster's Banner Guano 2-8-10, -----	H. A. Mendenhall, Toughkenamon, -----
4000	Royster's Banner Guano 2-8-10, -----	Mt. Jewett Electric Mills, Mt. Jewett, -----
2940	Royster's Banner Guano 2-8-10, -----	J. M. Rider, Millville, -----
4254	Royster's Banner Guano 2-8-10, -----	J. M. Rider, Millville, -----
1792	Royster's Banner Guano 2-8-10, -----	Bert. Whitaker, Bowmanstown, -----
2695	Royster's Bully Guano 2-8-5, -----	Franklin Feed & Supply Co., Franklin, -----
4857	Royster's Bully Guano 2-8-5, -----	H. B. George, Sligo, -----
4458	Royster's Bully Guano 2-8-5, -----	Loseh Consumers' Supply Co., Jersey Shore, -----
2551	Royster's Bully Guano 2-8-5, -----	Evan H. McBroom, Perry, -----
2963	Royster's Bully Guano 2-8-5, -----	Thomas McGee, Roaring Spring, -----
4970	Royster's Bully Guano 2-8-5, -----	H. A. Mendenhall, Toughkenamon, -----
2937	Royster's Bully Guano 2-8-5, -----	J. M. Rider, Millville, -----
4253	Royster's Bully Guano 2-8-5, -----	J. M. Rider, Millville, -----
3476	Royster's Bully Guano 2-8-5, -----	Ridgway Grist Mill Ridgway, -----
3326	Royster's Bully Guano 2-8-5, -----	Wilson Roth, Conyngham, -----

FERTILIZERS—Continued.

NITROGEN.		PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
Found.	Guaranteed.	Total.		Available		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
		Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	%	%	\$	
2.06	1.64	8.93	9.00	*7.79	8.00	1.14	1.00	3.90	4.00	3.90	-----	36.00	3992
1.58	1.64	11.21	11.00	10.27	10.00	0.94	1.00	5.97	6.00	5.97	-----	32.00	2544
*3.03	3.29	9.98	9.00	9.10	8.00	0.88	1.00	*5.43	6.00	5.43	-----	37.00	2546
3.16	3.29	8.90	9.00	*7.74	8.00	1.16	1.00	*5.75	6.00	1.70	4.65	40.00	4916
*1.80	3.29	9.50	9.00	8.80	8.00	0.70	1.00	8.67	6.00	8.67	-----	33.50	3349
*2.84	3.29	9.06	9.00	8.06	8.00	1.00	1.00	*5.13	6.00	5.13	-----	43.00	3990
1.11	0.82	11.01	9.00	10.37	8.00	0.64	1.00	*3.52	5.00	3.52	-----	28.00	2933
0.83	0.82	9.99	9.00	9.21	8.00	0.78	1.00	*4.72	5.00	4.72	-----	27.50	4734
0.89	0.82	9.26	9.00	8.34	8.00	0.92	1.00	*4.60	5.00	4.60	-----	26.00	4777
2.40	2.46	10.09	9.00	8.93	8.00	1.16	1.00	*4.48	5.00	4.48	-----	35.50	4917
2.34	2.46	10.97	9.00	10.27	8.00	0.70	1.00	*4.23	5.00	4.23	-----	33.50	4903
2.57	2.46	9.49	9.00	8.79	8.00	0.70	1.00	4.85	5.00	4.85	-----	31.50	3045
1.66	1.64	9.45	9.00	8.77	8.00	0.68	1.00	*9.16	10.00	9.16	-----	36.00	3790
1.75	1.64	8.67	9.00	7.93	8.00	0.74	1.00	10.35	10.00	10.35	-----	36.50	4915
1.81	1.64	9.57	9.00	8.87	8.00	0.70	1.00	*8.39	10.00	8.39	-----	31.00	3350
1.85	1.64	12.67	13.00	11.95	12.00	0.72	1.00	*4.60	5.00	4.60	-----	34.00	2902
1.78	1.64	13.66	13.00	12.74	12.00	0.92	1.00	4.86	5.00	4.86	-----	35.50	4737
0.93	0.82	9.90	10.00	9.62	9.00	0.28	1.00	*3.72	4.00	3.72	-----	-----	3040
1.82	1.64	8.71	9.00	*7.73	8.00	0.98	1.00	5.15	5.00	5.15	-----	-----	4574
1.65	1.64	9.27	9.00	8.33	8.00	0.94	1.00	*4.61	5.00	4.61	-----	-----	3042
1.83	1.64	8.93	9.00	8.01	8.00	0.92	1.00	5.13	5.00	5.13	-----	30.00	3324
1.82	1.64	9.21	9.00	8.17	8.00	1.04	1.00	*9.59	10.00	9.59	-----	-----	4576
1.65	1.64	9.07	9.00	7.99	8.00	1.08	1.00	*9.64	10.00	9.64	-----	-----	3038
1.91	1.64	8.76	9.00	8.18	8.00	0.58	1.00	10.47	10.00	10.47	-----	36.50	4817
2.58	2.46	10.88	11.00	10.18	10.00	0.70	1.00	6.00	6.00	6.00	-----	-----	4575
2.53	2.46	11.07	11.00	*9.79	10.00	1.28	1.00	6.21	6.00	6.21	-----	-----	3037
3.38	3.28	9.06	9.00	8.02	8.00	1.04	1.00	*7.58	8.00	7.58	-----	-----	3036
3.60	3.28	8.60	9.00	*7.80	8.00	0.80	1.00	8.11	8.00	8.11	-----	-----	4765
3.64	3.28	9.30	9.00	8.11	8.00	1.28	1.00	8.00	8.00	8.00	-----	40.00	3323
1.92	1.65	16.79	16.50	16.05	16.00	0.74	0.50	8.19	8.00	8.19	-----	39.00	4874
1.91	1.65	16.51	16.50	*15.78	16.00	*0.73	0.50	8.90	8.00	8.90	-----	36.60	4255
3.47	3.29	16.04	16.50	*15.62	16.00	0.42	0.50	4.50	4.00	4.50	-----	38.70	4096
3.55	3.29	16.86	16.50	16.72	16.00	0.14	0.50	4.77	4.00	4.77	-----	38.32	3901
3.50	3.29	17.22	16.50	16.72	16.00	0.50	0.50	4.38	4.00	4.38	-----	38.00	3175
3.62	3.29	16.76	16.50	16.46	16.00	0.30	0.50	4.72	4.00	4.72	-----	40.50	3576
1.75	1.65	8.57	8.50	7.93	8.00	0.64	0.50	10.03	10.00	10.03	-----	41.00	2591
1.71	1.65	9.01	8.50	8.51	8.00	0.59	0.50	10.07	10.00	10.07	-----	32.00	4572
1.84	1.65	8.78	8.50	8.36	8.00	0.42	0.50	*9.74	10.00	5.00	4.74	32.50	2696
1.86	1.65	9.67	8.50	8.55	8.00	1.12	0.50	10.30	10.00	10.30	-----	34.00	4858
1.76	1.65	9.95	8.50	8.54	8.00	1.42	0.50	10.22	10.00	10.22	-----	35.00	4106
1.73	1.65	9.06	8.50	8.62	8.00	0.44	0.50	*9.65	10.00	9.65	-----	30.00	2536
1.92	1.65	8.57	8.50	7.83	8.00	0.74	0.50	10.71	10.00	10.71	-----	40.00	4000
1.65	1.65	9.13	8.50	8.13	8.00	1.06	0.50	10.01	10.00	10.01	-----	32.00	2940
1.81	1.65	8.97	8.50	8.35	8.00	0.62	0.50	10.41	10.00	10.41	-----	31.90	4254
1.92	1.65	8.94	8.50	8.32	8.00	0.62	0.50	9.81	10.00	9.81	-----	33.50	2792
1.82	1.65	9.06	8.50	8.50	8.00	0.56	0.50	5.20	5.00	5.20	-----	27.90	2695
1.79	1.65	9.18	8.50	8.54	8.00	0.64	0.50	5.50	5.00	5.50	-----	30.00	4857
1.84	1.65	9.32	8.50	8.52	8.00	0.80	0.50	5.38	5.00	5.38	-----	31.50	4458
1.75	1.65	9.52	8.50	8.74	8.00	0.78	0.50	5.34	5.00	5.34	-----	30.00	2551
1.82	1.65	9.29	8.50	8.39	8.00	0.60	0.50	5.14	5.00	5.14	-----	29.10	2963
1.71	1.65	9.63	8.50	9.25	8.00	0.38	0.50	5.59	5.00	5.59	-----	27.00	4970
1.94	1.65	8.50	8.50	8.14	8.00	0.36	0.50	5.39	5.00	5.39	-----	29.00	2937
1.73	1.65	9.16	8.50	8.56	8.00	0.50	0.50	5.42	5.00	5.42	-----	27.55	4253
1.80	1.65	9.11	8.50	8.49	8.00	0.62	0.50	*4.72	5.00	4.72	-----	32.00	5476
1.79	1.65	9.02	8.50	8.20	8.00	0.82	0.50	4.93	5.00	4.93	-----	36.00	2926

* Deficient.

TABLE III—COMPLETE

Chemist's number.	Name of Manufacturer and Brand		Samples Taken From	
2794	Royster's	Bully Guano 2-8-5, -----	Bert Whitaker, Bowmanstown, -----	
2598	Royster's	Comet Guano 3-10-6, -----	Chaaapels Seed Co., Williamsport, -----	
4878	Royster's	Comet Guano 3-10-6, -----	Wm. Hays, Monongahela, -----	
2964	Royster's	Comet Guano 3-10-6, -----	Thomas McGee, Roaring Springs, -----	
4040	Royster's	Comet Guano 3-10-6, -----	Parnassus Hardware Co., Parnassus, -----	
3327	Royster's	Comet Guano 3-10-6, -----	Wilson Roth, Conyngham, -----	
4819	Royster's	Fish, Flesh and Fowl 2-9-3, -----	Luther S. Benec, Dixonville, -----	
4727	Royster's	Fish, Flesh and Fowl 2-9-3, -----	Mary'n F. Cope, Berwick, -----	
3490	Royster's	Fish, Flesh and Fowl 2-9-3, -----	Frank Hoover, Winburne, -----	
4181	Royster's	Fish, Flesh and Fowl 2-9-3, -----	Huston Brothers, Three Springs, -----	
3511	Royster's	Fish, Flesh and Fowl 2-9-3, -----	Jefferson Grain & Feed Co., Jefferson, -----	
4873	Royster's	Fish, Flesh and Fowl 2-9-3, -----	Jefferson Grain & Feed Co., Jefferson, -----	
4927	Royster's	Fish, Flesh and Fowl 2-9-3, -----	R. C. McGee, Roaring Springs, -----	
2968	Royster's	Fish, Flesh and Fowl 2-9-3, -----	Thomas McGee, Roaring Springs, -----	
3068	Royster's	Fish, Flesh and Fowl 2-9-3, -----	W. A. Reed, Paxinos, -----	
4470	Royster's	Fish, Flesh and Fowl 2-9-3, -----	W. A. Reed, Paxinos, -----	
3563	Royster's	Fish, Flesh and Fowl 2-9-3, -----	F. H. Waters, Exton, -----	
4974	Royster's	Fish, Flesh and Fowl 2-9-3, -----	F. H. Waters, Exton, -----	
4456	Royster's	Gem Guano 2-12-4, -----	Loesch Consumers' Supply Co., Jersey Shore, -----	
4971	Royster's	Gem Guano 2-12-4, -----	H. A. Mendenhall, Toughkenamon, -----	
4252	Royster's	Gem Guano 2-12-4, -----	J. M. Rider, Millville, -----	
3518	Royster's	Gem Guano 2-12-4, -----	H. M. Shearer, New Alexandria, -----	
4910	Royster's	Gem Guano 2-12-4, -----	Tarentum Feed & Supply Co., Tarentum, -----	
4743	Royster's	Gem Guano 2-12-4, -----	Darias Waite, Bellefonte, -----	
3562	Royster's	Gem Guano 2-12-4, -----	F. H. Waters, Exton, -----	
3019	Royster's	Gem Guano 2-12-4, -----	Bert. Whitaker, Bowmanstown, -----	
3806	Royster's	Gem Guano 2-12-4, -----	Youngsvills Milling Co., Youngsville, -----	
2595	Royster's	Quality Trucker 4-8-7, -----	Chaaapels Seed Co., Williamsport, -----	
2694	Royster's	Quality Trucker 4-8-7, -----	Franklin Feed & Supply Co., Franklin, -----	
4158	Royster's	Quality Trucker 4-8-7, -----	Grove & Co., Brownton, -----	
3085	Royster's	Quality Trucker 4-8-7, -----	R. C. Meek Estate, Allenwood, -----	
2537	Royster's	Quality Trucker 4-8-7, -----	H. A. Mendenhall, Toughkenamon, -----	
3018	Royster's	Quality Trucker 4-8-7, -----	Bert. Whitaker, Bowmanstown, -----	
2597	Royster's	Rational Guano 1-9-4, -----	Chaaapels Seed Co., Williamsport, -----	
2698	Royster's	Rational Guano 1-9-4, -----	Franklin Feed & Supply Co., Franklin, -----	
4877	Royster's	Rational Guano 1-9-4, -----	Wm. Hays, Monongahela, -----	
4179	Royster's	Rational Guano 1-9-4, -----	Huston Brothers, Three Springs, -----	
4455	Royster's	Rational Guano 1-9-4, -----	Loesch Consumers' Supply Co., Jersey Shore, -----	
4925	Royster's	Rational Guano 1-9-4, -----	R. C. McGee, Roaring Springs, -----	
4001	Royster's	Rational Guano 1-9-4, -----	Mt. Jewett Electric Mills, Mt. Jewett, -----	
4469	Royster's	Rational Guano 1-9-4, -----	W. A. Reed, Paxinos, -----	
3757	Royster's	Rational Guano 1-9-4, -----	John Struppler, Montrose, -----	
4909	Royster's	Rational Guano 1-9-4, -----	Tarentum Feed & Supply Co., Tarentum, -----	
4744	Royster's	Rational Guano 1-9-4, -----	Darias Waite, Bellefonte, -----	
2596	Royster's	Truckers Delight 4-8-4, -----	Chaaapels Seed Co., Williamsport, -----	
3797	Royster's	Truckers Delight 4-8-4, -----	A. B. Davidson, Tarentum, -----	
3510	Royster's	Truckers Delight 4-8-4, -----	Jefferson Grain & Feed Co., Jefferson, -----	
4457	Royster's	Truckers Delight 4-8-4, -----	Loesch Consumers' Supply Co., Jersey Shore, -----	
4041	Royster's	Truckers Delight 4-8-4, -----	Parnassus Hardware Co., Parnassus, -----	
3477	Royster's	Truckers Delight 4-8-4, -----	Ridgway Grist Mill, Ridgway, -----	
3006	Royster's	Truckers Delight 4-8-4, -----	Weeks Hardware Co., Seranton, -----	
4097	Royster's	Verbena Guano 5-8-5, -----	Ord J. Dohl, Shickshinny, -----	
3718	Royster's	Verbena Guano 5-8-5, -----	Glossner Brothers, Lock Haven, -----	
2965	Royster's	Verbena Guano 5-8-5, -----	Thomas McGee, Roaring Springs, -----	
4471	Royster's	Verbena Guano 5-8-5, -----	Uncle Peter's Fruit Farm, Elysburg, -----	
2697	Royster's	Vim Guano 2-12-2, -----	Franklin Feed & Supply Co., Franklin, -----	
4117	Royster's	Vim Guano 2-12-2, -----	J. A. Gardner, Moscow, -----	
3717	Royster's	Vim Guano 2-12-2, -----	Glossner Brothers, Lock Haven, -----	
8155	Royster's	Vim Guano 2-12-2, -----	H. M. Shearer, New Alexandria, -----	
	E. W. RUPERT, OXFORD, PA.			
3556	Sure Crop, -----		E. W. Rupert, Oxford, -----	

FERTILIZERS—Continued.

NITROGEN.		PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
Found.	Guaranteed.	Total.		Available		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
		Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	%	%	\$	
1.71	1.65	9.10	8.50	8.40	8.00	0.70	0.50	5.33	5.00	5.33	-----	29.00	2794
2.60	2.47	11.88	10.50	10.88	10.00	1.00	0.50	6.20	6.00	6.20	-----	40.00	2598
2.64	2.47	11.10	10.50	10.16	10.00	0.94	0.50	6.05	6.00	6.05	-----	43.00	4878
2.36	2.47	11.53	10.50	10.59	10.00	0.94	0.50	5.84	6.00	5.84	-----	34.80	2964
2.52	2.47	10.72	10.50	10.04	10.00	0.68	0.50	6.11	6.00	6.11	-----	35.75	4040
2.68	2.47	11.20	10.50	10.32	10.00	0.88	0.50	6.17	6.00	6.17	-----	30.00	3327
1.76	1.65	9.89	9.50	9.13	9.00	0.76	0.50	3.45	3.00	3.45	-----	28.00	4819
1.80	1.65	10.72	9.50	9.54	9.00	1.18	0.50	3.18	3.00	3.18	-----	24.00	4727
1.83	1.65	10.46	9.50	9.32	9.00	1.14	0.50	3.02	3.00	3.02	-----	24.00	3490
1.79	1.65	10.73	9.50	8.91	9.00	1.82	0.50	3.33	3.00	3.33	-----	27.00	4181
1.75	1.65	10.69	9.50	9.63	9.00	1.06	0.50	3.20	3.00	3.20	-----	23.00	3511
1.93	1.65	10.55	9.50	9.59	9.00	0.96	0.50	3.15	3.00	3.15	-----	29.00	4873
1.76	1.65	11.10	9.50	9.98	9.00	1.12	0.50	3.41	3.00	3.41	-----	23.50	4927
1.79	1.65	10.01	9.50	9.07	9.00	0.94	0.50	3.09	3.00	3.09	-----	22.10	2968
1.70	1.65	10.43	9.50	9.39	9.00	1.04	0.50	3.21	3.00	3.21	-----	-----	3068
1.79	1.65	10.37	9.50	9.27	9.00	1.10	0.50	3.05	3.00	3.05	-----	27.50	4470
1.78	1.65	10.88	9.50	9.82	9.00	1.06	0.50	3.04	3.00	3.04	-----	24.50	3563
1.90	1.65	10.59	9.50	9.39	9.00	1.20	0.50	3.20	3.00	3.20	-----	25.50	4974
1.88	1.65	13.15	12.50	12.15	12.00	1.00	0.50	4.23	4.00	4.23	-----	32.35	4456
1.65	1.65	13.65	12.50	12.99	12.00	0.66	0.50	4.28	4.00	4.28	-----	30.00	4971
1.81	1.65	13.43	12.50	12.19	12.00	1.24	0.50	4.03	4.00	4.03	-----	29.00	4252
1.98	1.65	12.40	12.50	11.90	12.00	0.50	0.50	4.28	4.00	4.28	-----	31.00	3518
1.83	1.65	13.66	12.50	12.74	12.00	0.92	0.50	4.31	4.00	4.31	-----	34.00	4910
1.73	1.65	13.39	12.50	12.11	12.00	1.28	0.50	4.49	4.00	4.49	-----	31.00	4743
1.84	1.65	12.45	12.50	*11.75	12.00	0.70	0.50	4.34	4.00	4.34	-----	29.00	3562
1.84	1.65	12.72	12.50	12.08	12.00	0.64	0.50	4.41	4.00	4.41	-----	31.00	3019
1.65	1.65	13.34	12.50	12.46	12.00	0.88	0.50	3.92	4.00	3.92	-----	30.00	3866
3.29	3.29	9.25	8.50	8.51	8.00	0.74	0.50	7.92	7.00	7.92	-----	50.00	2595
3.14	3.29	9.72	8.50	8.94	8.00	0.78	0.50	6.90	7.00	6.90	-----	35.85	2694
3.46	3.29	9.31	8.50	8.45	8.00	0.86	0.50	7.13	7.00	7.13	-----	30.50	4158
3.42	3.29	8.60	8.50	8.10	8.00	0.50	0.50	7.18	7.00	7.18	-----	-----	3085
3.35	3.29	8.95	8.50	8.39	8.00	0.56	0.50	7.14	7.00	7.14	-----	34.00	2537
3.36	3.29	8.67	8.50	8.25	8.00	0.42	0.50	7.23	7.00	7.23	-----	37.59	3018
0.96	0.82	10.08	9.50	9.32	9.00	0.76	0.50	4.31	4.00	4.31	-----	32.00	2597
1.10	0.82	10.43	9.50	9.55	9.00	0.88	0.50	3.81	4.00	3.81	-----	24.80	2698
1.04	0.82	10.94	9.50	9.90	9.00	1.04	0.50	4.19	4.00	4.19	-----	31.00	4877
0.96	0.82	11.05	9.50	9.99	9.00	1.06	0.50	4.08	4.00	4.08	-----	26.00	4179
0.95	0.82	9.72	9.50	9.14	9.00	0.58	0.50	4.19	4.00	4.19	-----	28.00	4455
1.06	0.82	10.64	9.50	9.54	9.00	1.10	0.50	4.07	4.00	4.07	-----	26.25	4925
1.11	0.82	10.47	9.50	9.43	9.00	1.04	0.50	4.31	4.00	4.31	-----	34.40	4001
1.04	0.82	10.93	9.50	9.29	9.00	1.64	0.50	4.21	4.00	4.21	-----	25.00	4460
1.56	0.82	10.97	9.50	10.09	9.00	0.88	0.50	6.06	4.00	6.06	-----	28.80	3757
1.27	0.82	10.77	9.50	9.23	9.00	1.54	0.50	4.03	4.00	4.03	-----	29.00	4909
1.03	0.82	11.06	9.50	9.40	9.00	1.66	0.50	3.98	4.00	3.98	-----	25.50	4744
3.30	3.29	9.18	8.50	8.50	8.00	0.68	0.50	4.13	4.00	4.13	-----	-----	2596
3.30	3.29	8.50	8.50	8.16	8.00	0.34	0.50	4.57	4.00	4.57	-----	-----	3797
3.30	3.29	8.60	8.50	8.66	8.00	0.54	0.50	4.25	4.00	4.25	-----	33.00	3510
3.14	3.29	9.08	8.50	8.34	8.00	0.74	0.50	4.21	4.00	4.21	-----	37.70	4457
3.33	3.29	8.85	8.50	8.17	8.00	0.68	0.50	4.08	4.00	4.08	-----	35.25	4041
3.25	3.29	9.44	8.50	8.92	8.00	0.52	0.50	*3.67	4.00	3.67	-----	37.00	3477
3.23	3.29	8.81	8.50	8.33	8.00	0.48	0.50	3.92	4.00	3.92	-----	75.00	3006
4.18	4.11	8.32	8.50	8.02	8.00	0.30	0.50	5.00	5.00	5.00	-----	36.75	4097
*3.55	4.11	8.93	8.50	8.33	8.00	0.60	0.50	6.40	5.00	6.40	-----	38.00	3718
3.92	4.11	9.06	8.50	8.56	8.00	0.50	0.50	5.01	5.00	5.01	-----	38.25	2965
4.21	4.11	9.61	8.50	8.13	8.00	1.48	0.50	5.13	5.00	5.13	-----	-----	4471
3.12	1.65	13.60	12.50	12.54	12.00	1.06	0.50	4.46	2.00	4.46	-----	28.55	2697
1.86	1.65	13.27	12.50	12.43	12.00	0.84	0.50	2.04	2.00	2.04	-----	30.00	4117
1.85	1.65	13.65	12.50	12.71	12.00	0.94	0.50	2.29	2.00	2.39	-----	99.00	3717
1.87	1.65	13.33	12.50	12.23	12.00	1.10	0.50	2.09	2.00	2.09	-----	29.00	3155
1.66	1.65	12.48	9.00	9.98	8.00	2.50	1.00	5.60	5.00	5.60	-----	-----	3556

* Deficient.

TABLE III—COMPLETE

Chemist's number.	Name of Manufacturer and Brand	Samples Taken From
	SHIPPENSBURG FERTILIZER WORKS, SHIPPENSBURG, PA.	
4676	Old Reliable Commonwealth Brand, ----	Shippensburg Fertilizer Works, Shippensburg,
4677	Old Reliable Tip Top Fertilizer, ----	Shippensburg Fertilizer Works, Shippensburg,
	M. L. SHOEMAKER & CO., INC., PHILADELPHIA, PA.	
3189	Shoemaker's Swift-Sure Super Phos- phate General Use, ----	M. L. Shoemaker & Co., Inc., Philadelphia,
4165	Shoemaker's Swift-Sure Super Phos- phate General Use, ----	Wm. Taggart, Norristown, ----
3188	Shoemaker's Swift-Sure Super Phos- phate Potato No. 1, ----	M. L. Shoemaker & Co., Inc., Philadelphia,
	THE SMUTH AGRICULTURAL CHEM- ICAL CO., COLUMBUS, OHIO.	
3763	Smith's Sacco Plant Food, ----	Beckert Seed Store, Pittsburgh, ----
2617	Smith's Sacco Plant Food, ----	W. D. Beers, Inc., Wilkes-Barre, ----
	STANDARD CHEMICAL WORKS, INC. READING, PA.	
4420	Standard 2-12-6 Special, ----	Mark Stitt, Spruce Hill, ----
2955	Standard All Crops, ----	J. C. Benfield, Milton, ----
4194	Standard All Crops, ----	J. C. Benfield, Milton, ----
4122	Standard All Crops, ----	Mark Stitt, Spruce Hill, ----
3877	Standard Cheapest In the End, ----	F. T. Baker, Lewisburg, ----
4122	Standard Cheapest In The End, ----	Gibbs Milling Co., Nanticoke, ----
3137	Standard Cheapest In The End, ----	S. T. Kanarr, Indiana, ----
4824	Standard Cheapest In The End, ----	S. T. Kanarr, Indiana, ----
3173	Standard Cheapest In The End, ----	Mead & Bannister, North East, ----
3964	Standard Cheapest In The End, ----	Wm. Westrick, Patton, ----
4450	Standard Old Standard, ----	McConnell Brothers, Hughesville, ----
2954	Standard Peerless Mixture, ----	J. C. Benfield, Milton, ----
4123	Standard Peerless Mixture, ----	Gibbs Milling Co., Nanticoke, ----
2755	Standard Peerless Mixture, ----	C. L. Webster, Kelton, ----
4121	Standard Potato and Truck Special, ----	Gibbs Milling Co., Nanticoke, ----
3135	Standard Potato and Truck Special, ----	S. T. Kanarr, Indiana, ----
3439	Standard Potato and Truck Special, ----	John Smith, Palmerton, ----
4423	Standard Potato and Truck Special, ----	Mark Stitt, Spruce Hill, ----
2756	Standard Potato and Truck Special, ----	C. L. Webster, Kelton, ----
3967	Standard Potato and Truck Special, ----	Wm. Westrick, Patton, ----
4455	Standard Royal Fish Guano, ----	J. C. Benfield, Milton, ----
3138	Standard Royal Fish Guano, ----	S. T. Kanarr, Indiana, ----
4823	Standard Royal Fish Guano, ----	S. T. Kanarr, Indiana, ----
1921	Standard Royal Fish Guano, ----	Mark Stitt, Spruce Hill, ----
3965	Standard Royal Fish Guano, ----	Wm. Westrick, Patton, ----
4312	Standard Tankage and Potash Mixture, ----	Belleville Flour Mill's, Belleville, ----
2757	Standard Tankage and Potash Mixture, ----	C. L. Webster, Kelton, ----
4822	Standard Truckers' Success, ----	S. T. Kanarr, Indiana, ----
	SWACK FERTILIZER WORKS, DU- BOIS, PA.	
4617	Swack's Double Analysis 2-16-8, ----	L. A. Yeackley, Patton, ----
2718	Swack's Four Sixteen Four, ----	Arthur S. Eisenmann, Meadville, ----
4541	Swack's General Crop Grower 1-9-4, --	Craft & Bowers, Big Run, ----
4564	Swack's General Crop Grower 1-9-4, --	Arthur S. Eisenmann, Meadville, ----
3051	Swack's General Crop Grower 1-9-4, --	Reynoldsville Hardware Co., Reynoldsville, --
4563	Swack's Potato and Truck 2-8-10, ----	Arthur S. Eisenmann, Meadville, ----
2050	Swack's Potato and Truck 2-8-10, ----	Reynoldsville Hardware Co., Reynoldsville, --
4646	Swack's Potato and Truck 2-8-10, ----	L. A. Yeackley, Patton, ----

FERTILIZERS—Continued.

NITROGEN.		PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
Found.	Guaranteed.	Total.		Available.		Insoluble.		Found.	Guaranteed.	Present as Muriaie.	Present as Sulphate.		
		Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	%	%	\$	
1.16	0.82	10.88	9.50	9.14	9.00	1.74	0.50	4.03	4.00	4.06	-----	-----	4676
1.60	1.65	9.89	8.50	8.41	8.00	1.48	0.50	5.86	5.00	5.86	-----	-----	4677
2.46	2.46	9.07	9.00	*7.77	8.00	1.39	1.00	3.35	3.00	3.35	-----	28.50	3189
2.55	2.46	9.27	9.00	8.53	8.00	0.74	1.00	3.69	3.00	3.69	-----	33.00	4165
3.42	3.28	10.42	9.00	8.50	8.00	1.92	1.00	5.47	5.00	5.47	-----	33.00	3188
3.50	3.29	12.72	12.50	12.10	12.00	0.62	0.50	4.06	4.00	4.06	-----	100.00	3763
3.65	3.29	12.85	12.50	12.47	12.00	0.38	0.50	4.62	4.00	4.30	0.32	-----	2617
1.55	1.64	13.22	13.00	*11.65	12.00	1.57	1.60	*4.14	6.00	4.14	-----	25.90	4420
1.71	1.64	12.50	13.00	*11.54	12.00	0.96	1.00	2.43	2.00	2.43	-----	-----	2955
1.76	1.64	14.24	13.00	12.14	12.00	2.10	1.60	2.42	2.00	2.42	-----	27.00	4494
1.68	1.64	13.50	13.00	*11.79	12.00	1.71	1.60	2.28	2.00	2.28	-----	23.60	4422
3.28	3.28	9.20	9.00	7.98	8.00	1.22	1.00	6.04	6.00	6.04	-----	36.65	3827
3.30	3.28	8.67	9.00	7.93	8.00	0.74	1.00	6.13	6.00	6.13	-----	36.00	4122
3.31	3.28	9.31	9.00	8.05	8.00	1.26	1.00	*5.50	6.00	5.50	-----	32.50	3137
3.34	3.28	9.11	9.00	7.97	8.00	1.14	1.00	6.33	6.00	6.33	-----	32.00	4824
3.12	3.28	9.75	9.00	8.73	8.00	1.02	1.00	*5.40	6.00	5.40	-----	32.21	3123
*3.01	3.28	8.67	9.00	8.29	8.00	0.38	1.60	*5.74	6.00	5.74	-----	32.40	3964
1.77	1.64	10.20	10.00	9.16	9.00	1.04	1.00	3.02	3.00	3.02	-----	-----	4450
1.52	1.64	9.18	9.00	8.06	8.00	1.12	1.00	5.19	5.00	5.19	-----	-----	2954
1.85	1.64	8.88	9.00	7.88	8.00	1.00	1.00	5.08	5.00	5.08	-----	30.00	4123
1.45	1.64	9.64	9.00	8.60	8.00	1.04	1.00	4.87	5.00	4.87	-----	23.50	2755
*1.35	1.64	7.95	9.00	*7.04	8.00	0.91	1.00	*9.49	10.00	9.49	-----	34.00	4121
1.55	1.64	9.12	9.00	8.00	8.00	1.12	1.00	9.90	10.00	9.90	-----	30.00	3135
1.57	1.64	8.81	9.00	*7.74	8.00	1.10	1.60	10.37	10.00	10.32	-----	32.00	3729
1.75	1.64	9.43	9.00	8.15	8.00	1.28	1.00	*9.35	10.00	9.35	-----	26.55	4423
1.59	1.64	8.71	9.00	*7.63	8.00	1.08	1.00	9.93	10.00	9.93	-----	28.00	2756
1.55	1.64	8.59	9.00	*7.65	8.00	0.74	1.00	10.25	10.00	10.25	-----	31.00	3967
1.79	1.64	14.06	13.00	12.04	12.00	2.02	1.00	4.07	4.00	4.07	-----	29.00	4495
1.46	1.64	13.31	13.00	*11.40	12.00	1.91	1.00	4.00	4.00	4.00	-----	29.00	3138
1.75	1.64	13.68	13.00	12.18	12.00	1.50	1.00	*3.59	4.00	3.59	-----	28.00	4823
1.70	1.64	13.39	13.00	*11.63	12.00	1.76	1.00	4.57	4.00	4.57	-----	24.70	4421
1.71	1.64	12.20	13.00	*11.01	12.00	1.19	1.00	*3.55	4.00	3.55	-----	27.50	3965
1.03	0.82	10.79	10.00	9.35	9.00	1.44	1.00	3.92	4.00	3.92	-----	26.00	4312
1.01	0.82	9.93	10.00	9.03	9.00	0.90	1.00	4.16	4.00	4.16	-----	20.50	2757
*3.73	4.10	9.18	9.00	8.08	8.00	1.10	1.00	7.51	7.00	7.51	-----	56.00	4822
1.67	1.65	17.31	16.50	16.59	16.00	0.72	0.50	*7.40	8.00	6.50	0.90	36.00	4647
3.21	3.30	16.03	16.50	*15.48	16.00	0.55	0.50	3.88	4.00	3.88	-----	39.25	2718
0.94	0.82	10.20	10.00	9.18	9.00	1.02	1.00	4.46	4.00	4.46	-----	27.75	4541
0.82	0.82	10.72	10.00	10.16	9.00	0.56	1.00	4.21	4.00	4.21	-----	27.00	4564
0.88	0.82	10.59	10.00	10.03	9.00	0.56	1.00	4.67	4.00	4.67	-----	25.50	3951
1.55	1.65	9.30	9.00	8.81	8.00	0.46	1.00	*9.62	10.00	9.62	-----	35.00	4563
1.52	1.65	9.25	9.00	8.67	8.00	0.58	1.00	10.92	10.00	10.92	-----	35.00	3950
*1.40	1.65	8.70	9.00	8.24	8.00	0.46	1.00	*8.23	10.00	8.23	-----	31.50	4646

* Deficient.

† Sold at the rate of 25c. for 1 lb. can.

TABLE III—COMPLETE

Chemist's number.	Name of Manufacturer and Brand		Samples Taken From	
4567	Swack's	Special Top Dressing 4-8-5, ----	Arthur S. Eisenmann, Meadville, -----	
2719	Swack's	Two Eight Five, -----	Arthur S. Eisenmann, Meadville, -----	
4565	Swack's	Two Eight Five, -----	Arthur S. Eisenmann, Meadville, -----	
4032	Swack's	Two Eight Five, -----	E. J. Weleh, Pumville, -----	
2720	Swack's	Wheat Fertilizer 2-12-2, -----	Arthur S. Eisenmann, Meadville, -----	
4566	Swack's	Wheat Fertilizer 2-12-2, -----	Arthur S. Eisenmann, Meadville, -----	
4530	Swack's	Wheat Fertilizer 2-12-2, -----	A. C. Mercer, Dayton, -----	
3049	Swack's	Wheat Fertilizer 2-12-2, -----	Reynoldsville Hardware Co., Reynoldsville, --	
SWIFT & COMPANY, BALTIMORE, MD.				
3109	Swift's	Red Steer 1-9-4, -----	Albion Milling Co., Albion, -----	
4465	Swift's	Red Steer 1-9-4, -----	J. E. Baker, Trout Run, -----	
4249	Swift's	Red Steer 1-9-4, -----	J. S. Cole, Milville, -----	
4606	Swift's	Red Steer 1-9-4, -----	Wm. B. Diehl, Lehighton, -----	
4879	Swift's	Red Steer 1-9-4, -----	Donora Flour & Feed Co., Donora, -----	
4335	Swift's	Red Steer 1-9-4, -----	Export Milling Co., Export, -----	
4951	Swift's	Red Steer 1-9-4, -----	H. F. Gelbach, Evans City, -----	
32-9	Swift's	Red Steer 1-9-4, -----	Lakue & Faucher, Meshoppen, -----	
3184	Swift's	Red Steer 1-9-4, -----	Charles McDonell, Mansfield, -----	
3491	Swift's	Red Steer 1-9-4, -----	Western Flour Co., Charleroi, -----	
2709	Swift's	Red Steer 2-8-5, -----	Acme Milling Co., Cochranton, -----	
4551	Swift's	Red Steer 2-8-5, -----	Acme Milling Co., Cochranton, -----	
4464	Swift's	Red Steer 2-8-5, -----	J. E. Baker, Trout Run, -----	
3178	Swift's	Red Steer 2-8-5, -----	M. P. Close, Tioga, -----	
46-7	Swift's	Red Steer 2-8-5, -----	Wm. B. Diehl, Lehighton, -----	
4394	Swift's	Red Steer 2-8-5, -----	Export Milling Co., Export, -----	
2870	Swift's	Red Steer 2-8-5, -----	G. W. Gates, Williamsburg, -----	
3822	Swift's	Red Steer 2-8-5, -----	W. W. Kalb, Sunbury, -----	
2549	Swift's	Red Steer 2-8-5, -----	Harry T. McDevitt, Mendenhall, -----	
4979	Swift's	Red Steer 2-8-5, -----	Harry T. McDevitt, Mendenhall, -----	
5000	Swift's	Red Steer 2-8-5, -----	Red Lion Farmers' Exchange, Red Lion, ----	
2710	Swift's	Red Steer 2-8-10, -----	Acme Milling Co., Cochranton, -----	
4552	Swift's	Red Steer 2-8-10, -----	Acme Milling Co., Cochranton, -----	
4462	Swift's	Red Steer 2-8-10, -----	Elwin Allen, Canton, -----	
2922	Swift's	Red Steer 2-8-10, -----	Bellville Flour Mills Co., Belleville, -----	
4250	Swift's	Red Steer 2-8-10, -----	J. S. Cole, Milville, -----	
4904	Swift's	Red Steer 2-8-10, -----	Wm. B. Diehl, Lehighton, -----	
2798	Swift's	Red Steer 2-8-10, -----	George A. Kline, Bernville, -----	
2547	Swift's	Red Steer 2-8-10, -----	Harry T. McDevitt, Mendenhall, -----	
4980	Swift's	Red Steer 2-8-10, -----	Harry T. McDevitt, Mendenhall, -----	
5910	Swift's	Red Steer 2-8-10, -----	Red Lion Farmers' Exchange, Red Lion, ----	
2621	Swift's	Red Steer 2-8-10, -----	E. B. Vosker-S. R. McMichael, Hunlocks Creek, -----	
3580	Swift's	Red Steer 2-8-10, -----	R. G. Young Sons, New Galilee, -----	
4931	Swift's	Red Steer 2-9-3, -----	Belleville Flour Mills Co., Belleville, -----	
30-3	Swift's	Red Steer 2-10-4, -----	Wm. B. Diehl, Lehighton, -----	
3803	Swift's	Red Steer 2-10-6, -----	J. J. Markle, State College, -----	
2712	Swift's	Red Steer 2-12-2, -----	Acme Milling Co., Cochranton, -----	
4881	Swift's	Red Steer 2-12-2, -----	Donora Flour & Feed Co., Donora, -----	
2548	Swift's	Red Steer 2-12-2, -----	Harry T. McDevitt, Mendenhall, -----	
5011	Swift's	Red Steer 2-12-2, -----	Red Lion Farmers' Exchange, Red Lion, ----	
3497	Swift's	Red Steer 2-12-2, -----	Western Flour Co., Charleroi, -----	
3578	Swift's	Red Steer 2-12-2, -----	R. G. Young Sons, New Galilee, -----	
4460	Swift's	Red Steer 2-12-4, -----	Elwin Allen, Canton, -----	
4608	Swift's	Red Steer 2-12-4, -----	Wm. B. Diehl, Lehighton, -----	
3230	Swift's	Red Steer 2-12-4, -----	Farmers' Cooperative Mercantile Co., Skippers Eddy, -----	
3889	Swift's	Red Steer 2-12-4, -----	Alvin R. Green, Lehighton, -----	
5012	Swift's	Red Steer 2-12-4, -----	Red Lion Farmers' Exchange, Red Lion, ----	
4067	Swift's	Red Steer 2-12-4, -----	W. P. Secrer, Lewistown, -----	

FERTILIZERS—Continued.

NITROGEN.		PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.	
Found.	Guaranteed.	Total.		Available.		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.			
		Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.							
%	%	%	%	%	%	%	%	%	%	%	%	\$		
3.71	3.30	8.66	9.00	8.20	8.00	0.46	1.00	5.05	5.00	5.05	-----	37.00	4567	
1.53	1.65	8.00	9.00	*7.74	8.00	0.26	1.00	5.02	5.00	5.02	-----	27.25	2719	
1.51	1.65	8.29	9.00	7.87	8.00	0.42	1.00	5.57	5.00	5.57	-----	30.00	4565	
1.70	1.65	8.55	9.00	8.23	8.00	0.32	1.00	5.38	5.00	5.38	-----	28.00	4032	
1.65	1.65	13.04	13.00	12.54	12.00	0.50	1.00	2.36	2.00	2.36	-----	28.25	2720	
1.50	1.65	14.12	13.00	13.14	12.00	0.98	1.00	2.16	2.00	2.16	-----	31.00	4566	
1.66	1.65	14.41	13.00	12.89	12.00	1.52	1.00	*1.46	2.00	1.00	0.46	-----	4830	
1.58	1.65	12.77	13.00	12.25	12.00	0.52	1.00	2.40	2.00	2.40	-----	28.50	3049	
1.08	0.82	10.24	9.00	9.78	9.00	0.46	-----	3.98	4.00	3.98	-----	24.80	3109	
1.02	0.82	9.95	9.00	9.25	9.00	0.70	-----	4.04	4.00	4.04	-----	25.50	4405	
1.01	0.82	9.20	9.00	9.02	9.00	0.18	-----	4.03	4.00	4.03	-----	25.50	4249	
1.05	0.82	9.66	9.00	8.90	9.00	0.76	-----	4.70	4.00	4.70	-----	23.00	4606	
1.06	0.82	9.87	9.00	9.31	9.00	0.56	-----	4.26	4.00	4.26	-----	28.80	4879	
1.06	0.82	9.95	9.00	9.21	9.00	0.74	-----	4.14	4.00	4.14	-----	25.10	4395	
0.95	0.82	10.20	9.00	9.66	9.00	0.54	-----	4.11	4.00	3.60	0.51	-----	28.00	4951
0.91	0.82	9.40	9.00	8.86	9.00	0.54	-----	4.46	4.00	4.46	-----	24.00	3229	
0.94	0.82	9.39	9.00	8.86	9.00	0.50	-----	4.24	4.00	4.24	-----	26.00	3184	
1.01	0.82	10.08	9.00	9.54	9.00	0.54	-----	4.28	4.00	4.28	-----	30.00	3491	
1.77	1.65	8.44	8.00	8.12	8.00	0.12	-----	5.24	5.00	5.24	-----	26.90	2709	
1.95	1.65	9.22	8.60	8.92	8.00	0.30	-----	5.41	5.00	5.41	-----	28.25	4551	
1.81	1.65	9.29	8.00	8.69	8.00	0.60	-----	4.97	5.00	4.97	-----	30.00	4464	
1.72	1.65	8.67	8.00	8.01	8.00	0.66	-----	5.27	5.00	5.27	-----	29.00	3178	
1.80	1.65	8.94	8.00	8.26	8.00	0.68	-----	5.05	5.00	5.05	-----	26.35	4607	
1.86	1.65	8.69	8.00	8.05	8.00	0.64	-----	5.05	5.00	5.05	-----	28.25	4394	
1.65	1.65	8.37	8.00	8.11	8.00	0.26	-----	5.42	5.00	5.42	-----	26.25	2870	
1.68	1.65	8.64	8.00	7.86	8.00	0.78	-----	5.00	5.00	5.00	-----	29.00	3832	
1.68	1.65	8.55	8.00	8.23	8.00	0.32	-----	5.19	5.00	3.10	2.09	-----	25.00	2549
1.66	1.65	8.76	8.00	8.06	8.00	0.70	-----	4.94	5.00	4.94	-----	27.00	4979	
1.76	1.65	8.67	8.00	8.19	8.00	0.48	-----	4.96	5.00	4.96	-----	-----	5009	
1.72	1.65	8.67	8.00	8.31	8.60	0.36	-----	9.00	10.00	9.90	-----	31.50	2710	
1.75	1.65	8.50	8.00	8.22	8.00	0.28	-----	10.17	10.00	10.17	-----	32.60	4552	
1.56	1.65	8.88	8.00	8.30	8.00	0.58	-----	10.24	10.00	10.24	-----	32.00	4462	
1.51	1.65	8.42	8.00	8.14	8.00	0.28	-----	10.57	10.00	19.37	-----	29.00	2920	
1.74	1.65	8.76	8.00	8.26	8.00	0.40	-----	*9.55	10.00	9.55	-----	32.50	4250	
1.87	1.65	9.18	8.00	8.64	8.00	0.54	-----	*9.19	10.00	9.19	-----	30.70	4604	
1.76	1.65	8.80	8.00	8.52	8.00	0.28	-----	10.48	10.00	10.48	-----	30.00	2798	
1.65	1.65	8.44	8.00	8.08	8.00	0.36	-----	10.19	10.00	10.19	-----	30.00	2547	
1.75	1.65	8.93	8.00	8.40	8.00	0.44	-----	10.77	10.00	10.77	-----	32.00	4980	
1.72	1.65	8.88	8.00	8.48	8.00	0.40	-----	10.40	10.00	10.40	-----	-----	5010	
1.61	1.65	8.80	8.00	8.52	8.00	0.28	-----	10.55	10.00	10.55	-----	29.25	2621	
1.71	1.65	8.65	8.00	8.15	8.00	0.50	-----	10.21	10.00	10.21	-----	37.00	3580	
1.89	1.65	10.31	9.00	9.67	9.00	0.64	-----	3.79	3.00	3.99	-----	25.00	2931	
1.77	1.65	10.70	10.00	10.04	10.00	0.66	-----	4.64	4.00	4.64	-----	-----	3033	
1.89	1.65	10.51	10.00	9.85	10.00	0.66	-----	6.01	6.00	6.01	-----	28.00	3803	
1.69	1.65	12.81	12.00	12.13	12.00	0.68	-----	2.18	2.00	1.80	0.38	-----	27.55	2712
1.72	1.65	13.23	12.00	12.49	12.00	0.4	-----	2.38	2.00	2.38	-----	33.20	4881	
1.79	1.65	13.01	12.00	12.45	12.00	0.56	-----	2.19	2.00	2.19	-----	23.00	2548	
1.88	1.65	12.86	12.00	11.92	12.00	0.94	-----	2.07	2.00	2.07	-----	-----	5911	
1.75	1.65	13.01	12.00	12.67	12.00	0.94	-----	2.22	2.00	2.22	-----	33.50	3422	
1.79	1.65	12.64	12.00	11.82	12.00	0.82	-----	2.45	2.00	2.45	-----	32.50	3578	
1.73	1.65	13.05	12.00	11.89	12.00	1.16	-----	4.12	4.00	4.12	-----	32.00	4460	
1.79	1.65	13.90	12.00	12.56	12.00	1.31	-----	4.20	4.00	4.20	-----	28.75	4608	
1.68	1.65	12.91	12.00	11.81	12.00	1.10	-----	4.34	4.00	4.34	-----	29.40	3230	
1.68	1.65	13.48	12.00	12.22	12.00	1.16	-----	4.02	4.00	4.02	-----	-----	3889	
1.77	1.65	14.01	12.00	12.71	12.00	1.30	-----	4.24	4.00	4.24	-----	-----	5012	
1.86	1.65	12.09	12.00	*11.25	12.00	0.74	-----	4.25	4.00	4.25	-----	32.40	4067	

* Deficient.

TABLE III—COMPLETE

Chemist's number.	Name of Manufacturer and Brand	Samples Taken From
3407	Swift's Red Steer 2-12-4, -----	Wyalusing Hay Co., Wyalusing, -----
4251	Swift's Red Steer 2-16-8, -----	J. S. Cole, Millville, -----
4807	Swift's Red Steer 2-16-8, -----	A. C. Myers, Lock Haven, -----
3811	Swift's Red Steer 2-16-8, -----	Darius Waite, Bellefonte, -----
4742	Swift's Red Steer 2-16-8, -----	Darius Waite, Bellefonte, -----
3890	Swift's Red Steer 3-10-6, -----	Alvin R. Gretn, Lehighton, -----
3575	Swift's Red Steer 5-10-6, -----	Penhurst State Farm, Penhurst, -----
4605	Swift's Red Steer 3-1-3, -----	Wm. B. Diehl, Lehighton, -----
3179	Swift's Red Steer 4-5-6, -----	M. P. Close, Tioga, -----
2890	Swift's Red Steer 4-8-4, -----	Deal Brothers Milling Co., Bedford, -----
3181	Swift's Red Steer 4-8-4, -----	Roy J. Dunham, Wellsboro, -----
3351	Swift's Red Steer 4-8-4, -----	Luzerne County Cooperative Association, -----
		Wilkes-Barre, -----
3034	Swift's Red Steer 4-8-5, -----	Wm. B. Diehl, Lehighton, -----
1940	Swift's Red Steer 4-8-7, -----	H. L. Barron, Somerset, -----
3093	Swift's Red Steer 4-8-7, -----	W. C. Foulmer, Benton, -----
2869	Swift's Red Steer 4-8-7, -----	G. W. Gates, Williamsburg, -----
3112	Swift's Red Steer 4-8-7, -----	Chas. C. Good Co., North Girard, -----
2995	Swift's Red Steer 4-8-7, -----	Luzerne County Cooperative Association, -----
		Wilkes-Barre, -----
4860	Swift's Red Steer 4-8-7, -----	W. D. Walker & Brother, Bigler, -----
2930	Swift's Red Steer 4-8-0, -----	Belleville Flour Mills Co., Belleville, -----
2992	Swift's Red Steer 4-8-10, -----	Archie Ridall, Hicks Ferry, -----
4554	Swift's Red Steer 4-12-4, -----	Aerne Milling Co., Cochranton, -----
3231	Swift's Red Steer 4-12-4, -----	Farmers, Cooperative Merchantile Co., Skaneateles Eddy, -----
		H. F. Gebach, Evans City, -----
4952	Swift's Red Steer 4-12-4, -----	E. F. Hayes Sons, Chleora, -----
3609	Swift's Red Steer 4-12-4, -----	J. H. Lavery's Sons Co., Inc., Franklin, -----
2703	Swift's Red Steer 4-12-4, -----	Aerne Milling Co., Cochranton, -----
4553	Swift's Red Steer 4-16-4, -----	Gates Hardware, Curwensville, -----
3467	Swift's Red Steer 4-16-4, -----	J. H. Lavery's Sons Co., Inc., Franklin, -----
2701	Swift's Red Steer 4-16-4, -----	Charles McDonell, Mansfield, -----
3183	Swift's Red Steer 4-16-4, -----	Archie Ridall, Hicks Ferry, -----
2991	Swift's Red Steer 5-8-5, -----	Darius Waite, Bellefonte, -----
3812	Swift's Red Steer 5-8-7, -----	Archie Ridall, Hicks Ferry, -----
2993	Swift's Red Steer 6-8-4, -----	Deal Brothers, Bedford, -----
4906	Swift's Vigoro, -----	Luzerne County Cooperative Association, -----
2997	Swift's Vigoro, -----	Wilkes-Barre, -----
		Moore Seed Co., Philadelphia, -----
3209	Swift's Vigoro, -----	Nickle Plate Flour Mills, Erie, -----
3125	Swift's Vigoro, -----	
	L. P. THOMAS & SON COMPANY, PHILADELPHIA, PA.	
2941	Champion Guano 2-10-6, -----	Preston Eves & Son, Millville, -----
5004	Champion Guano 2-10-6, -----	C. E. Gohrecht, Hanover, -----
4206	Champion Guano 2-10-6, -----	W. Bert Kase, Danville, -----
4507	Champion Guano 2-10-6, -----	L. S. Finzer, McAllisterville, -----
3263	Champion Guano 2-10-6, -----	Jacob Z. Yoder, Reedsville, -----
4716	Economy Fertilizer 3-12-3, -----	James Harmon, Berwick, -----
4445	Farmers' Choice 2-12-2, -----	D. H. Price, Hughesville, -----
2943	Fish Mixture 1-9-4, -----	Preston Eves & Son, Millville, -----
3260	Fish Mixture 1-9-4, -----	D. L. Hertzler, Mechanicsburg, -----
4201	Fish Mixture 1-9-4, -----	W. Bert Kase, Danville, -----
4505	Fish Mixture 1-9-4, -----	L. S. Kinzer, McAllisterville, -----
4440	Fish Mixture 1-9-4, -----	D. H. Price, Hughesville, -----
2750	Fish Mixture 1-9-4, -----	O. W. Shorthidge, Lincoln University, -----
3507	High Grade Potato Manure 4-8-10, -----	S. N. Hill & Son, Markham, -----
2953	High Grade Potato Manure 4-8-10, -----	C. W. Thomas, Danville, -----
3265	High Grade Potato Manure 4-8-10, -----	Jacob Z. Yoder, Reedsville, -----
3967	Long Island Special 4-8-7, -----	S. N. Hill & Son, Markham, -----
5259	Royal Fish Guano 4-8-5, -----	D. L. Hertzler, Mechanicsburg, -----

FERTILIZERS—Continued.

NITROGEN.		PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
Found.	Guaranteed.	Total.		Available.		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
		Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	%	%	\$	
1.78	1.65	13.10	12.00	12.08	12.00	1.02	-----	4.64	4.00	4.64	-----	23.00	3107
1.75	1.65	15.77	16.00	*5.51	16.00	0.56	-----	9.85	8.00	9.85	-----	32.00	4251
1.66	1.65	18.16	16.00	17.08	16.00	1.08	-----	8.81	8.00	7.60	1.21	40.00	4507
1.83	1.65	17.09	16.00	16.59	16.00	0.50	-----	8.19	8.00	8.29	-----	38.00	3811
1.65	1.65	16.58	16.00	*15.54	16.00	1.04	-----	8.07	8.00	7.60	0.47	37.50	4742
2.33	2.47	11.41	10.00	10.53	10.00	0.88	-----	6.11	6.00	6.11	-----	-----	3890
2.42	2.47	10.61	10.00	10.01	10.00	0.60	-----	6.24	6.00	6.24	-----	25.75	3575
2.70	2.47	13.27	12.00	12.33	12.00	0.54	-----	4.00	3.00	4.00	-----	32.00	4605
3.23	3.29	5.92	5.00	5.64	5.00	0.28	-----	6.30	6.00	1.80	4.50	42.00	3179
*3.07	3.29	8.48	8.00	8.04	8.00	0.44	-----	4.60	4.00	4.60	-----	34.00	2890
3.30	3.29	8.50	8.00	7.92	8.00	0.58	-----	4.13	4.00	4.13	-----	33.00	3181
3.24	3.29	8.67	8.00	7.93	8.00	0.74	-----	4.23	4.00	4.28	-----	30.75	3351
3.17	3.29	8.60	8.00	8.10	8.00	0.50	-----	*4.19	5.00	4.79	-----	-----	3034
3.35	3.29	8.55	8.00	8.15	8.00	0.40	-----	7.05	7.00	7.05	-----	-----	4940
*3.09	3.29	8.48	8.00	8.10	8.00	0.38	-----	7.02	7.00	7.02	-----	34.00	2093
3.16	3.29	8.55	8.00	8.21	8.00	0.34	-----	6.85	7.00	6.85	-----	-----	2869
3.11	3.29	9.20	8.00	8.80	8.00	0.40	-----	*6.73	7.00	6.73	-----	-----	3112
3.29	3.29	7.81	8.00	*7.47	8.00	0.34	-----	7.59	7.00	7.29	-----	35.25	2895
3.10	3.29	9.44	8.00	8.44	8.00	1.00	-----	*6.49	7.00	6.49	-----	56.00	4830
3.16	3.29	8.07	8.00	7.93	8.00	0.14	-----	11.38	10.00	11.38	-----	35.00	2930
3.42	3.29	8.65	8.00	8.47	8.00	0.18	-----	*8.54	10.00	8.54	-----	34.50	2992
3.36	3.29	13.22	12.00	12.94	12.00	0.28	-----	4.22	4.00	4.22	-----	39.00	4554
3.27	3.29	12.51	12.00	12.15	12.00	0.36	-----	4.24	4.00	4.24	-----	55.50	3231
3.42	3.29	13.04	12.00	12.72	12.00	0.32	-----	4.31	4.00	3.50	0.81	40.00	4952
*3.07	3.29	13.02	12.00	12.54	12.00	0.48	-----	4.11	4.00	3.40	0.71	40.00	3609
3.38	3.29	12.55	12.00	12.11	12.00	0.44	-----	4.44	4.00	4.44	-----	42.00	2703
*2.00	3.29	16.16	16.00	15.10	16.00	0.36	-----	4.65	4.00	4.65	-----	40.10	4553
3.50	3.29	17.50	16.00	16.20	16.00	1.30	-----	4.44	4.00	4.44	-----	43.00	2467
3.20	3.29	16.72	16.00	16.23	16.00	0.50	-----	4.14	4.00	4.14	-----	46.00	2701
3.51	3.29	17.91	16.00	16.57	16.00	1.24	-----	4.58	4.00	4.28	-----	39.00	3183
*3.90	4.11	8.81	8.00	8.57	8.00	0.24	-----	5.26	5.00	5.26	-----	33.30	2991
*3.86	4.11	8.37	8.00	8.01	8.00	0.38	-----	7.23	7.00	7.23	-----	37.00	5812
4.95	4.93	8.25	8.00	8.05	8.00	0.00	-----	4.07	4.00	4.07	-----	35.25	2993
3.50	3.29	12.50	12.30	12.14	12.00	0.36	0.20	4.33	4.00	4.33	-----	100.00	4966
3.43	3.29	12.70	12.30	12.44	12.00	0.16	0.30	4.35	4.00	4.35	-----	70.00	2997
3.47	3.29	12.83	12.30	12.34	12.00	0.40	0.30	4.41	4.00	4.41	-----	70.00	3209
3.37	3.29	12.76	12.30	12.44	12.00	0.52	0.30	4.39	4.00	4.39	-----	70.00	3125
1.73	1.65	12.16	11.00	10.10	10.00	2.06	1.00	6.20	6.00	4.70	1.50	27.70	2941
1.98	1.65	12.63	11.00	10.95	10.00	1.68	1.00	6.12	6.00	4.60	1.52	-----	5004
1.94	1.65	12.23	11.00	10.26	10.00	2.00	1.00	6.54	6.00	4.40	2.14	27.70	4206
1.94	1.65	12.34	11.00	11.04	10.00	1.30	1.00	6.36	6.00	4.70	1.66	29.00	4507
1.79	1.65	12.48	11.00	10.42	10.00	2.06	1.00	6.25	6.00	5.70	0.55	-----	3263
2.71	2.45	14.77	13.00	13.61	12.00	1.16	1.00	3.65	3.00	3.65	-----	-----	4716
1.84	1.65	14.39	13.00	*11.57	12.00	2.82	1.00	2.61	2.00	1.70	0.91	27.85	4445
1.00	0.82	11.02	10.00	9.70	9.00	1.92	1.00	4.36	4.00	3.30	1.06	22.50	2943
0.94	0.82	11.28	10.00	9.34	9.00	1.94	1.00	4.26	4.00	3.50	0.83	-----	3260
1.05	0.82	10.93	10.00	9.05	9.00	1.88	1.00	4.34	4.00	3.40	0.94	22.95	4201
1.08	0.82	11.66	10.00	10.08	9.00	1.58	1.00	4.50	4.00	4.50	-----	23.00	4505
1.03	0.82	11.23	10.00	9.73	9.00	1.50	1.00	4.54	4.00	2.90	1.64	24.05	4440
1.01	0.82	10.97	10.00	9.67	9.00	1.90	1.00	4.36	4.00	4.36	-----	23.00	2750
3.40	3.25	10.23	9.00	7.83	8.00	2.40	1.00	10.67	10.00	9.80	0.87	37.00	3567
3.55	3.25	9.69	9.00	8.65	8.00	1.64	1.00	10.05	10.00	10.05	-----	36.80	2953
3.23	3.25	10.93	9.00	8.83	8.00	2.10	1.00	*9.38	10.00	9.38	-----	-----	3265
3.42	3.25	9.93	9.00	8.07	8.00	1.86	1.00	7.37	7.00	7.37	-----	34.50	3569
3.11	3.25	10.20	9.00	8.08	8.00	2.12	1.00	5.44	5.00	5.44	-----	-----	3259

* Deficient.

TABLE III—COMPLETE

Chemist's number.	Name of Manufacturer and Brand	Samples Taken From
2749	Special Potato 2-8-10, -----	O. W. Shortlidge, Lincoln University, -----
3885	Special Potato 2-8-10, -----	George K. Sunday, Hamburg, -----
2951	Special Potato 2-8-10, -----	C. W. Thomas, Danville, -----
4894	Special Potato 2-8-10, -----	Ross Urieh, Quarryville, -----
3566	Thomas Fish and Potash Fertilizer 5-8-5	S. N. Hill & Son, Markham, -----
4094	Tip-Top Super Phosphate 3-10-6, -----	C. E. Gobrecht, Hanover, -----
3568	Tip-Top Super Phosphate 3-10-6, -----	S. N. Hill & Son, Markham, -----
4442	Victor Double Strength 4-16-10, -----	D. H. Price, Hughesville, -----
3262	Victor Potash Fertilizer 2-8-5, -----	D. L. Hertzler, Mechanicsburg, -----
4204	Victor Potash Fertilizer 2-8-5, -----	W. Bert Kase, Danville, -----
4441	Victor Potash Fertilizer 2-8-5, -----	D. H. Price, Hughesville, -----
2751	Victor Potash Fertilizer 2-8-5, -----	O. W. Shortlidge, Lincoln University, -----
2952	Victor Potash Fertilizer 2-8-5, -----	C. W. Thomas, Danville, -----
4803	Victor Potash Fertilizer 2-8-5, -----	Ross Urieh, Quarryville, -----
TRENTON BONE FERTILIZER CO., TRENTON, N. J.		
3573	Trenton 3-12-3, -----	L. E. Howell, Morrisville, -----
3572	Trenton 4-8-8, -----	L. E. Howell, Morrisville, -----
3571	Trenton 5-10-6, -----	L. E. Howell, Morrisville, -----
F. W. TUNNELL & CO., INC., PHILADELPHIA, PA.		
3195	Nassau County Potato Manure 5-8-5, --	F. W. Tunnell & Co., Inc., Philadelphia, ---
3741	Red Diamond Potato and Truck Guano 2-8-10, -----	Jackson & Hortman, Hop Bottom, -----
4168	Red Diamond Potato and Truck Guano 2-8-10, -----	Knerr & Mattern, West Point, -----
3191	Red Diamond Potato and Truck Guano 2-8-10, -----	F. W. Tunnell & Co., Inc., Philadelphia, --
3193	Three M Potato Manure 4-8-7, -----	F. W. Tunnell & Co., Inc., Philadelphia, --
4169	Veribest Cereal Manure 2-8-5, -----	Knerr & Mattern, West Point, -----
3192	Veribest Cereal Manure, 2-8-5, -----	F. W. Tunnell & Co., Inc., Philadelphia, --
4167	Wheat and Cereal Manure 1-9-4, -----	Knerr & Mattern, West Point, -----
UNION CHEMICAL WORKS, INC., NORTH WALES, PA.		
2543	Crop Grower, -----	Union Chemical Works, Inc., North Wales,
4965	Crop Grower, -----	Union Chemical Works, Inc., North Wales,
2542	Farmers' Favorite, -----	Union Chemical Works, Inc., North Wales,
4967	Farmers' Favorite, -----	Union Chemical Works, Inc., North Wales,
2539	Grain and Grass Grower, -----	Union Chemical Works, Inc., North Wales,
4965	Grain and Grass Grower, -----	Union Chemical Works, Inc., North Wales,
2541	High Grade Vegetable Guano, -----	Union Chemical Works, Inc., North Wales,
2538	Ideal Potato Manure, -----	Union Chemical Works, Inc., North Wales,
2540	Potato and Celery Special, -----	Union Chemical Works, Inc., North Wales,
3574	Special Mixture (for corn), -----	Union Chemical Works, Inc., North Wales,
UNITED STATES GUANO COMPANY, BALTIMORE, MD.		
2945	Standard United States Fish Guano, --	Charles E. Brobst, Bloomsburg, -----
4246	Standard United States Mammoth Po- tato Grower, -----	Neil S. Harrison, Forks, -----
4718	Standard United States Mammoth Po- tato Grower, -----	Luzerne County Cooperative Association, Wilkes-Barre, -----
4943	Standard United States Mammoth Po- tato Grower, -----	C. H. Schmucker, Friedens, -----
4198	Standard United States Mammoth Truck Grower, -----	J. W. Boots, Fombell, -----
4248	Standard United States Mammoth Truck Grower, -----	Neil S. Harrison, Forks, -----

FERTILIZERS—Continued.

NITROGEN.		PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
Found.	Guaranteed.	Total.		Available.		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
		Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	%	%	\$	
1.84	1.65	9.81	9.00	8.29	8.00	1.52	1.00	10.3	10.00	10.37	-----	29.00	2749
1.95	1.65	9.75	9.00	8.25	8.00	1.50	1.00	10.81	10.00	10.81	-----	-----	3885
1.90	1.65	9.82	9.00	8.30	8.00	1.52	1.00	10.28	10.00	10.28	-----	36.50	2951
2.03	1.65	10.20	9.00	9.22	8.00	0.98	1.00	10.33	10.00	10.33	-----	-----	4804
4.46	4.10	10.09	9.00	8.07	8.00	2.02	1.00	5.81	5.00	4.30	1.54	35.00	3566
2.82	2.45	12.14	11.00	10.00	10.00	2.14	1.00	6.47	6.00	5.60	0.87	30.75	4094
2.80	2.45	11.71	11.00	10.11	10.00	1.60	1.00	6.24	6.00	6.24	-----	32.00	3568
3.26	3.25	17.57	-----	16.03	16.00	1.54	-----	11.04	10.00	11.04	-----	45.75	4442
1.90	1.65	10.15	9.00	8.15	8.00	2.00	1.00	5.18	5.00	5.18	-----	-----	3202
1.81	1.65	10.09	9.00	8.31	8.00	1.78	1.00	5.37	5.00	4.50	0.87	26.00	4204
1.91	1.65	10.09	9.00	8.33	8.00	1.76	1.00	5.37	5.00	4.60	0.67	27.75	4441
2.28	1.65	9.62	9.00	8.20	8.00	1.42	1.00	5.50	5.00	4.70	0.80	26.00	2751
1.99	1.65	10.01	9.00	8.31	8.00	1.70	1.00	5.32	5.00	5.32	-----	26.00	2952
1.95	1.65	11.24	9.00	9.42	8.00	1.82	1.00	5.79	5.00	4.60	1.19	-----	4803
2.87	2.46	12.50	13.00	12.28	12.00	0.22	1.00	3.46	3.00	3.46	-----	31.00	3573
3.37	3.38	8.83	9.00	8.31	8.00	0.52	1.00	8.55	8.00	8.55	-----	35.00	3572
4.28	4.10	10.56	11.00	10.46	10.00	0.10	1.00	5.95	6.00	5.95	-----	39.00	3571
4.28	4.10	9.22	9.00	8.90	8.00	0.32	1.00	4.95	5.00	4.40	0.55	-----	3195
1.77	1.61	8.67	9.00	8.21	8.00	0.46	1.00	10.71	10.00	9.40	1.31	33.00	3741
1.77	1.64	8.98	9.00	8.44	8.00	0.54	1.00	*9.33	10.00	9.33	-----	33.00	4168
2.62	1.61	8.88	9.00	8.40	8.00	0.48	1.00	10.63	10.00	10.03	-----	-----	3191
3.26	3.28	9.18	9.00	8.70	8.00	0.48	1.00	7.10	7.00	7.10	-----	-----	3190
1.59	1.64	9.13	9.00	8.43	8.00	0.70	1.00	5.12	5.00	4.60	0.52	28.00	4169
1.55	1.64	9.24	9.00	8.72	8.00	0.52	1.00	5.10	5.00	5.10	-----	-----	3192
0.91	0.82	9.77	10.00	9.11	9.00	0.66	1.00	4.36	4.00	4.36	-----	26.00	4167
1.65	1.64	12.65	13.00	12.31	12.00	0.34	1.00	4.12	4.00	4.12	-----	31.00	2543
1.88	1.64	13.44	13.00	12.66	12.00	0.78	1.00	*3.76	4.00	3.40	0.36	31.00	4966
0.97	0.82	9.82	10.00	9.54	9.00	0.28	1.00	3.91	4.00	3.91	-----	24.00	2542
0.96	0.82	9.78	10.00	9.42	9.00	0.36	1.00	4.17	4.00	4.17	-----	24.00	4967
1.60	1.64	8.61	9.00	8.13	8.00	0.48	1.00	*4.66	5.00	4.66	-----	27.00	2539
1.77	1.64	8.88	9.00	8.20	8.00	0.68	1.00	*4.60	5.00	4.60	-----	27.00	4965
3.42	3.38	7.91	8.00	7.59	7.00	0.32	1.00	*6.69	7.00	6.69	-----	35.00	2541
3.30	3.28	9.78	9.00	8.82	8.00	0.56	1.00	*9.45	10.00	9.65	-----	38.00	2538
1.68	1.64	7.22	8.00	6.92	7.00	0.30	1.00	11.59	10.00	11.59	-----	31.50	2540
1.66	1.64	10.72	11.00	10.22	10.00	0.50	1.00	4.23	4.00	4.23	-----	-----	3574
1.81	1.64	11.53	10.50	10.31	10.00	1.22	0.50	4.00	4.00	4.00	-----	23.70	2945
2.02	1.65	9.80	8.50	8.60	8.00	1.20	0.50	*8.11	10.00	6.50	1.61	28.50	4246
1.67	1.65	9.82	8.50	8.08	8.00	1.74	0.50	*9.68	10.00	8.70	0.98	28.00	4718
1.82	1.65	11.29	8.50	9.77	8.00	1.52	0.50	*8.72	10.00	5.70	3.02	29.40	4943
1.94	1.64	9.82	8.50	8.28	8.00	1.54	0.50	5.54	5.00	5.54	-----	24.00	4198
1.97	1.65	9.54	8.50	8.14	8.00	1.40	0.50	*4.73	5.00	4.73	-----	25.00	4248

* Deficient.

TABLE III—COMPLETE

Chemist's number.	Name of Manufacturer and Brand	Samples Taken From
4720	Standard United States Mammoth Truck Grower, -----	Luzerne County Cooperative Association, Wilkes-Barre, -----
4725	Standard United States Rainbow Brand, -----	Luzerne County Cooperative Association, Wilkes-Barre, -----
	VIRGINIA-CAROLINA CHEMICAL CORPORATION, NEW YORK, N. Y.	
4936	American Champion Grain Grower, ----	N. B. Shober, Garrett, -----
4935	American Excelsior Guano, -----	N. B. Shober, Garrett, -----
3641	American Pelican Crop Grower, -----	H. E. Moats, Jamestown, -----
3640	American Premium Grain and Clover Mixture, -----	H. E. Moats, Jamestown, -----
4937	American Premium Grain and Clover Mixture, -----	N. B. Shober, Garrett, -----
3627	V-C Double Empire Brand, -----	Bickerstaff & Todd, New Sheffield, -----
3653	V-C Double Empire Brand, -----	Reynoldsville Hardware Co., Reynoldsville, -----
3521	V-C Double Empire Brand, -----	West Apollo Milling Co., Apollo, -----
5642	V-C Double Owl Brand, -----	Coulter & Coulter, Grovet City, -----
2882	V-C Double Owl Brand, -----	E. J. Hite, Hollidaysburg, -----
2731	V-C Double Owl Brand, -----	E. L. Smith, Union City, -----
3749	V-C Double Owl Brand, -----	Glenn E. Tingley, New Milford, -----
4109	V-C Fairway Fertilizer, -----	Murray Co., Honesdale, -----
3658	V-C Fish and Potash Compound, -----	Bickerstaff & Todd, New Sheffield, -----
4642	V-C Fish and Potash Compound, -----	Bickerstaff & Todd, New Sheffield, -----
3723	V-C Fish and Potash Compound, -----	Emporium Supply Co., Emporium, -----
4818	V-C Fish and Potash Compound, -----	R. H. Goldstrolm, Echo, -----
2723	V-C Fish and Potash Compound, -----	H. C. Hutchinson, Hydetown, -----
4855	V-C Fish and Potash Compound, -----	McCamant Brother Hardware, Knox, -----
3523	V-C Fish and Potash Compound, -----	West Apollo Milling Co., Apollo, -----
4847	V-C Good Luck Fertilizer, -----	R. H. Goldstrolm, Echo, -----
2883	V-C Good Luck Fertilizer, -----	E. J. Hite, Hollidaysburg, -----
3110	V-C Indian Brand Fertilizer, -----	Albion Milling Co., Albion, -----
3626	V-C Indian Brand Fertilizer, -----	Bickerstaff & Todd, New Sheffield, -----
3721	V-C Indian Brand Fertilizer, -----	Emporium Supply Co., Emporium, -----
4768	V-C Indian Brand Fertilizer, -----	Lehighon Hardware Co., Lehighon, -----
4105	V-C Indian Brand Fertilizer, -----	Murray Co., Honesdale, -----
4766	V-C Owl Brand Fertilizer, -----	Lehighon Hardware Co., Lehighon, -----
4769	V-C Plow Brand Fertilizer, -----	Lehighon Hardware Co., Lehighon, -----
4629	V-C Plow Brand Fertilizer, -----	Omwake Brothers, Greencastle, -----
4640	V-C Prolife Crop Grower, -----	Bickerstaff & Todd, New Sheffield, -----
4767	V-C Prolife Crop Grower, -----	Lehighon Hardware Co., Lehighon, -----
4161	V-C Star Brand Fertilizer, -----	Grove & Co., Brownston, -----
2 24	V-C Star Brand Fertilizer, -----	H. C. Hutchinson, Hydetown, -----
3661	V-C Tip Top Top Dresser, -----	Joseph London, Cloe, -----
4729	V-C Valley Pride, -----	Norman Black, Alexandria, -----
	WASHINGTON, ALEXANDER & COOKE CO., AFFILIATED WITH VIRGINIA-CAROLINA CHEMICAL CORPORATION, CHARLES TOWN, W. VA.	
3696	Wacco Champion Potato and Vegetable Manure, -----	Quarryville Farmers' Association, Quarryville, -----
3693	Wacco Cottonseed Meal Mixture, -----	Quarryville Farmers' Association, Quarryville, -----
3692	Wacco Crop Grower, -----	Quarryville Farmers' Association, Quarryville, -----
4794	Wacco Fish and Potash, -----	Quarryville Farmers' Association, Quarryville, -----
4136	Wacco Wheat, Corn and Oats Mixture, -----	E. S. Kelly, Gettysburg, -----

FERTILIZERS—Continued.

NITROGEN.		PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
Found.	Guaranteed.	Total.		Available.		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
		Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	%	%	\$	
1.96	1.65	10.56	8.50	9.02	8.00	1.54	0.50	5.04	5.00	3.40	1.64	24.75	4720
1.81	1.65	11.50	12.50	*10.01	12.00	1.49	0.50	7.03	2.00	5.40	1.63	25.00	4725
1.10	0.82	10.61	10.00	9.37	9.00	1.24	1.00	4.67	4.00	4.67	-----	26.25	4936
1.81	1.65	10.41	9.00	8.85	8.00	1.56	1.00	5.50	5.00	5.50	-----	29.45	4935
3.38	3.29	13.14	13.00	12.00	12.00	0.54	1.00	4.33	4.00	4.33	-----	37.00	3641
2.05	1.65	12.78	13.00	12.24	12.00	0.54	1.00	2.69	2.00	2.69	-----	29.05	3640
1.94	1.65	14.62	13.00	13.14	12.00	1.48	1.00	2.21	2.00	2.21	-----	30.30	4937
3.18	3.29	11.61	17.00	*10.79	16.00	0.85	1.00	6.61	6.00	6.61	-----	43.00	3627
3.31	3.29	16.66	17.00	*15.72	16.00	0.94	1.00	6.10	6.00	6.10	-----	44.25	3053
3.45	3.29	17.48	17.00	16.60	16.00	0.88	1.00	6.41	6.00	6.41	-----	49.70	3521
3.35	3.29	8.98	9.00	8.58	8.00	0.40	1.00	*6.28	7.00	6.28	-----	38.00	3642
3.25	3.29	8.74	9.00	8.14	8.00	0.60	1.00	*6.71	7.00	6.71	-----	37.65	2882
3.37	3.29	8.55	9.00	8.03	8.00	0.52	1.00	6.98	7.00	6.98	-----	35.85	2731
3.61	3.29	9.44	9.00	8.54	8.00	0.90	1.00	6.98	7.00	6.98	-----	46.00	3749
7.10	6.58	6.17	7.50	*5.67	6.00	0.50	1.50	5.10	5.00	5.10	-----	80.00	4109
1.72	1.65	10.97	10.00	9.03	9.00	1.94	1.00	3.30	3.00	3.30	-----	28.50	3628
1.89	1.65	11.37	10.00	9.23	9.00	2.34	1.00	3.57	3.00	3.57	-----	30.50	4642
1.89	1.65	11.48	10.00	9.56	9.00	1.92	1.00	3.13	3.00	3.13	-----	32.25	3723
1.96	1.65	11.70	10.00	9.58	9.00	2.12	1.00	3.04	3.00	3.04	-----	36.00	4818
1.76	1.65	11.14	10.00	9.20	9.00	1.94	1.00	3.16	3.00	3.16	-----	25.30	2723
2.01	1.65	12.22	10.00	10.28	9.00	1.94	1.00	3.04	3.00	3.04	-----	29.50	4855
1.93	1.65	11.23	10.00	9.11	9.00	2.12	1.00	3.11	3.00	3.11	-----	25.56	3523
2.56	2.47	12.37	11.00	10.79	10.00	1.58	1.00	6.00	6.00	6.00	-----	34.90	4847
2.56	2.47	10.87	11.00	10.25	10.00	0.62	1.00	6.66	6.00	6.66	-----	35.15	2883
1.71	1.65	8.83	9.00	8.35	8.00	0.48	1.00	*9.53	10.00	9.56	-----	28.21	3110
1.75	1.65	9.39	9.00	8.13	8.00	1.26	1.00	9.90	10.00	9.90	-----	34.50	3626
1.87	1.65	9.20	9.00	8.12	8.00	1.08	1.00	10.12	10.00	10.12	-----	39.00	3721
1.89	1.65	8.88	9.00	7.96	8.00	0.92	1.00	10.50	10.00	10.50	-----	32.50	4768
1.70	1.65	8.55	9.00	7.81	8.00	0.74	1.00	11.31	10.00	11.31	-----	55.00	4105
1.71	1.65	14.35	13.00	12.23	12.00	2.12	1.00	4.21	4.00	4.21	-----	35.00	4766
1.83	1.65	10.20	9.00	8.04	8.00	2.16	1.00	*4.68	3.00	4.68	-----	28.50	4769
1.71	1.65	9.31	9.00	8.45	8.00	0.86	1.00	5.97	5.00	5.27	-----	-----	4029
3.62	3.29	13.27	13.00	12.29	12.00	0.98	1.00	4.12	4.00	4.12	-----	40.00	4640
3.53	3.29	13.01	13.00	*11.55	12.00	1.46	1.00	4.22	4.00	4.22	-----	37.00	4767
1.09	0.82	10.64	10.00	9.08	9.00	1.56	1.00	4.31	4.00	4.31	-----	21.00	4161
1.10	0.82	10.80	10.00	9.36	9.00	1.44	1.00	4.15	4.00	4.15	-----	23.36	2724
*4.94	5.75	8.57	7.00	7.65	6.00	0.92	1.00	5.59	5.00	5.59	-----	36.00	3061
1.92	1.65	14.06	13.00	12.84	12.00	1.22	1.00	2.33	2.00	2.10	0.23	27.49	4729
1.57	1.65	10.44	8.00	9.68	8.00	0.76	-----	*9.07	10.00	9.07	-----	-----	3696
3.42	3.20	7.31	5.00	6.17	5.00	1.14	-----	6.45	6.00	6.45	-----	35.00	3693
1.68	1.65	9.69	8.00	9.11	8.00	0.58	-----	5.64	5.00	5.64	-----	26.50	3692
2.10	1.65	10.18	9.00	9.10	9.00	1.08	-----	3.81	3.00	3.81	-----	-----	4794
0.73	0.82	13.36	9.00	12.44	9.00	0.92	-----	*3.14	4.00	3.14	-----	-----	4136

* Deficient.

TABLE III—COMPLETE

Chemist's number.	Name of Manufacturer and Brand	Samples Taken From
3690	Wacco Wheat, Corn and Oats Mixture,	Quarryville Farmers' Association, Quarry-
3691	Wacco Wheat, Corn and Oats Mixture,	Quarryville Farmers' Association, Quarry-
4795	Wacco Wheat, Corn and Oats Mixture,	Quarryville Farmers' Association, Quarry-
	YORK CHEMICAL WORKS, YORK,	ville,
	PA.	
4569	Four Sixteen Ten, -----	Emery Christman, Bernville, -----
3712	Four Sixteen Ten, -----	C. E. Frazier, Mill-Hall, -----
2733	Four Sixteen Ten, -----	Union City Cooperative Association, Union
		City, -----
3210	Garden Fertilizer, -----	Moore Seed Co., Philadelphia, -----
3340	General Crop, -----	Brice W. Bedell, Mill City, -----
3968	General Crop, -----	D. L. Westrick & Anthony Becker, Hastings,
3464	General Crop, -----	G. W. Wineberg, Big Run, -----
2739	Grain Special, -----	Edinboro Cooperat'ive Association, Edinboro,
3560	Grain Special, -----	Fisher & Nolan, West Chester, -----
4976	Grain Special, -----	Fisher & Nolan, West Chester, -----
3708	Grain Special, -----	C. E. Frazier, Mill Hall, -----
4724	Grain Special, -----	Henry Hartzell, Nescopeck, -----
4751	Grain Special, -----	L. E. Hess, Philipburg, -----
5013	Grain Special, -----	Red Lion Farmers' Exchange, Red Lion, -----
4145	Grain Special, -----	Red Lion Supply Co., Red Lion, -----
3336	Potato and Truck, -----	Brice W. Bedell, Mill City, -----
3711	Potato and Truck, -----	C. E. Frazier, Mill-Hall, -----
3969	Potato and Truck, -----	D. L. Westrick & Anthony Becker, Hastings,
3339	Spring Special, -----	Brice Bedell, Mill City, -----
4568	Spring Special, -----	Emery Christman, Bernville, -----
2759	Spring Special, -----	Harry Pyle & Sons, Chadds Ford, -----
3528	Spring Special, -----	D. L. Sheesley, Hillsdale, -----
2732	Spring Special, -----	Union City Cooperative Association, Union
		City, -----
3463	Spring Special, -----	G. W. Wineberg, Big Run, -----
2525	Standard, -----	Fisher & Nolan, Malvern, -----
4975	Standard, -----	Fisher & Nolan, Malvern, -----
3710	Standard, -----	C. E. Frazier, Mill-Hall, -----
4723	Standard, -----	Henry Hartzell, Nescopeck, -----
2700	Standard, -----	Harry Pyle & Sons, Chadds Ford, -----
4146	Standard, -----	Red Lion Supply Co., Red Lion, -----
3970	Standard, -----	D. L. Westrick & Anthony Becker, Hastings,
3561	Standard Potash, -----	Fisher & Nolan, West Chester, -----
3709	Standard Potash, -----	C. E. Frazier, Mill-Hall, -----
2734	Standard Potash, -----	Union City Cooperative Association, Union
		City, -----
3337	Top Dresser, -----	Brice Bedell, Mill City, -----
2524	Two-Twelve-Four, -----	Fisher & Nolan, Malvern, -----
4977	Two-Twelve-Four, -----	Fisher & Nolan, West Chester, -----
		Average, -----

FERTILIZERS—Concluded.

NITROGEN.		PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
Found.	Guaranteed.	Total.		Available.		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
		Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	%	%	\$	
0.80	0.85	11.35	9.00	10.47	9.00	0.88	-----	4.35	4.00	4.35	-----	24.00	3690
0.89	0.82	11.28	9.00	10.46	8.00	0.82	1.00	4.47	4.00	4.47	-----	-----	3691
0.92	0.82	10.26	10.00	9.82	9.00	0.44	1.00	4.02	4.00	4.02	-----	-----	4795
3.21	3.28	18.11	16.00	17.39	16.00	0.72	-----	10.88	10.00	10.88	-----	48.00	4569
3.30	3.28	17.44	16.00	16.54	16.00	0.90	-----	10.39	10.00	10.39	-----	48.00	3712
3.38	3.28	16.67	16.00	*15.77	16.00	0.90	-----	10.01	10.00	10.01	-----	47.25	2733
4.31	4.10	9.02	8.00	8.28	8.00	0.74	-----	5.43	5.00	1.70	4.13	50.00	3210
*2.04	2.46	11.50	10.00	10.40	10.00	0.90	-----	4.37	4.00	4.37	-----	35.40	3340
*2.14	2.46	10.72	10.00	*9.78	10.00	0.94	-----	5.03	4.00	5.03	-----	33.40	3968
2.46	2.46	11.24	10.00	10.32	10.00	0.92	-----	4.02	4.00	4.02	-----	32.15	3464
1.87	1.64	13.01	12.00	11.81	12.00	1.20	-----	2.51	2.00	2.51	-----	28.00	2739
1.63	1.64	13.43	12.00	12.77	12.00	0.66	-----	1.93	2.00	1.93	-----	-----	3560
1.61	1.64	13.27	12.00	13.05	12.00	0.82	-----	2.23	2.00	2.23	-----	32.00	4976
1.72	1.64	13.71	12.00	12.90	12.00	0.72	-----	2.72	2.00	2.72	-----	27.00	3708
1.96	1.64	12.77	12.00	12.25	12.00	0.52	-----	2.81	2.00	2.81	-----	28.50	4724
1.81	1.64	12.90	12.00	12.20	12.00	0.70	-----	2.57	2.00	2.57	-----	-----	4751
1.78	1.64	13.19	12.00	12.63	12.00	0.56	-----	2.30	2.00	2.30	-----	-----	5013
1.59	1.64	12.40	12.00	*11.46	12.00	0.94	-----	2.24	2.00	2.24	-----	24.00	4145
4.24	4.10	9.24	8.00	8.76	8.00	0.48	-----	7.33	7.00	-----	7.33	44.50	3336
4.19	4.10	8.19	8.00	*7.65	8.00	0.54	-----	7.58	7.00	1.10	6.48	40.50	3711
4.08	4.10	9.01	8.00	8.33	8.00	0.68	-----	7.67	7.00	-----	7.67	42.00	3969
1.53	1.64	9.03	8.00	8.27	8.00	0.76	-----	11.08	10.00	11.08	-----	24.00	3339
1.67	1.64	7.92	8.00	*7.70	8.00	0.22	-----	10.50	10.00	10.50	-----	-----	4568
1.65	1.64	8.99	8.00	8.35	8.00	0.64	-----	10.20	10.00	10.20	-----	70.00	2759
1.55	1.64	8.94	8.00	8.22	8.00	0.72	-----	11.22	10.00	11.22	-----	31.85	3528
1.61	1.64	8.81	8.00	8.13	8.00	0.68	-----	11.07	10.00	4.50	6.57	29.85	2732
1.65	1.64	9.52	8.00	8.74	8.00	0.78	-----	10.17	10.00	10.17	-----	52.85	3463
*1.36	1.64	9.07	8.00	8.45	8.00	0.62	-----	5.59	5.00	5.59	-----	31.00	2525
1.67	1.64	8.32	8.00	*7.76	8.00	0.56	-----	4.91	5.00	4.91	-----	31.00	4975
1.54	1.64	8.93	8.00	8.33	8.00	0.60	-----	5.18	5.00	5.18	-----	26.50	3710
1.75	1.64	8.42	8.00	8.10	8.00	0.32	-----	5.52	5.00	5.52	-----	30.00	4723
1.60	1.64	8.89	8.00	8.23	8.00	0.66	-----	5.60	5.00	5.60	-----	26.00	2760
1.56	1.64	8.80	8.00	8.22	8.00	0.58	-----	5.66	5.00	5.66	-----	23.00	4146
1.71	1.65	8.95	8.00	8.13	8.00	0.82	-----	5.28	5.00	5.28	-----	27.75	3970
0.91	0.82	10.51	9.00	9.95	9.00	0.56	-----	4.34	4.00	4.34	-----	28.00	3561
0.94	0.82	10.26	9.00	9.86	9.00	0.40	-----	4.25	4.00	4.25	-----	23.50	3709
0.83	0.82	10.46	9.00	9.64	9.00	0.82	-----	4.33	4.00	4.33	-----	22.55	2734
5.91	5.74	7.59	6.00	6.11	6.00	1.48	-----	5.55	5.00	5.55	-----	43.50	3337
1.97	1.64	12.63	12.00	*11.67	12.00	0.94	-----	4.85	4.00	4.85	-----	32.00	2524
1.89	1.64	13.20	12.00	12.72	12.00	0.48	-----	4.00	4.00	4.00	-----	33.00	4977
2.07	-----	10.68	-----	9.78	-----	0.90	-----	5.74	-----	-----	-----	31.94	-----

* Deficient.

TABLE IV—GROUND
Furnishing Nitrogen

Chemist's number	Name of Manufacturer and Brand	Sample Taken From—
<p>THE AMERICAN AGRICULTURAL CHEMICAL CO., NEW YORK, N. Y.</p>		
2600	Fine Ground Bone, -----	J. B. Andersons Son, Shickshinny, -----
4889	Fine Ground Bone, -----	Edward Baer Hardware Co., Connele's- ville, -----
2688	Fine Ground Bone, -----	George Kahle, South Oil City, -----
3010	Fine Ground Bone, -----	King Brothers, Uniontown, -----
4749	Fine Ground Bone, -----	Reed Estate, Philipsburg, -----
3774	Fine Ground Bone, -----	L. W. Scott Co., Fit'sburgh, -----
4374	Fine Ground Bone, -----	W. B. Winey & Son, Middleburg, -----
2885	Pure Raw Bone, -----	B. F. England, Bedford, -----
2362	Pure Raw Bone, -----	D. A. Leighty, Newry, -----
2745	Pure Raw Bone, -----	Sheehan Brothers, Landenberg, -----
<p>ARMOUR FERTILIZER WORKS, BALTIMORE, MD.</p>		
3168	Armour's Big Crop Bone Meal, -----	Devling Brothers, Galton, -----
4055	Armour's Big Crop Bone Meal, -----	L. E. Hess, Philipsburg, -----
3119	Armour's Big Crop Fertilizer Bone Meal, -----	Vineyard Supplies Co., North East, -----
3898	Armour's Big Crop Raw Bone Meal, -----	W. H. Dunlap, Jr., Cannonsburg, -----
4118	Armour's Big Crop Raw Bone Meal, -----	T. R. Matthews, Moseow, -----
3983	Armour's Big Crop Raw Bone Meal, -----	A. Skelly, Ebensburg, -----
3534	Armour's Big Crop Raw Bone Meal, -----	A. J. Steele, Latrobe, -----
<p>THE ASSOCIATED CHEMICAL CO., BALTIMORE, MD.</p>		
4483	Fine Bone Meal, -----	S. R. Howell, Ploonsburg, -----
3118	Fine Bone Meal, -----	West Side Feed & Fuel Co., Erie, -----
<p>BAUGH & SONS COMPANY, PHILADELPHIA, PA.</p>		
4905	Baugh's Raw Bone Meal, -----	Francis Baker, Everett, -----
3764	Baugh's Raw Bone Meal, -----	Beckert Seed Store, Pittsburgh, -----
4982	Baugh's Raw Bone Meal, -----	Hoopes Lumber & Coal Co., Kennett Square, -----
3481	Baugh's Raw Bone Meal, -----	Routh & Swartzle Co., Clearfield, -----
3860	Baugh's Raw Bone Meal, -----	Schrinner Brothers, Bellevalley, -----
4996	Baugh's Raw Bone Meal, -----	West Manheim Farmers' Association, Hanover, -----
2998	Baugh's 3 and 50 Bone Meal, -----	Coke's Brothers, Scranton, -----
4144	Baugh's 3 and 50 Bone Meal, -----	D. E. Schwartz, Gettysburg, -----
3315	Baugh's 3 and 50 Bone Meal, -----	J. G. Simpson, Huntingdon, -----
<p>W. S. CAPLES & SON, JOHNSTOWN, PA.</p>		
4933	Fine Ground Steamed Bone Meal, -----	W. S. Caples & Son, Johnstown, -----
<p>JACOB DOLD PACKING CO., BUFFALO, N. Y.</p>		
2592	Dold's Quality Bone Meal, -----	Chaapels Seed Co., Williamsport, -----
4467	Dold's Quality Bone Meal, -----	Chaapels Seed Co., Williamsport, -----
<p>GRIFFITH & BOYD CO., BALTIMORE, MD.</p>		
3783	Griffith & Boyd Co.'s Pure Fine Ground Bone meal -----	Hoburg Brothers, Etina, -----
3922	Griffith & Boyd Co.'s Pure Fine Ground Bone meal -----	A. F. Stutzman & Son, Johnstown, -----
<p>THE HUBBARD FERTILIZER COMPANY, BALTIMORE, MD.</p>		
2614	Steamed Bone Meal, -----	Gallagher & Stevick, Wilkes Barre, -----
3044	Steamed Bone Meal, -----	John A. McGee Co., Clarion, -----

BONE FERTILIZERS.

and Phosphoric Acid.

NITROGEN		PHOSPHORIC ACID		Selling price per ton at place of selection	Chemist's number
Found	Guaranteed	Found	Guaranteed		
%	%	%	%	\$	
2.36	2.47	27.45	22.88	45.00	2600
3.03	2.47	25.54	22.88	65.00	4889
2.93	2.47	24.87	22.88	51.00	2688
2.58	2.47	23.39	22.88	51.00	3910
2.80	2.47	26.97	22.88	10.00	4749
2.55	2.47	24.24	22.88	51.00	3774
2.40	2.47	27.02	22.88		4374
3.77	3.70	24.77	20.60	50.00	2885
3.79	3.70	24.06	20.60	44.00	2962
3.63	3.70	24.49	20.60	42.00	2745
*2.00	2.47	*21.29	22.00	48.00	3163
2.61	2.47	27.30	22.00	41.00	4055
2.57	2.47	28.23	27.00	43.00	3119
4.60	3.70	22.32	21.50	50.00	3898
4.08	3.70	*21.11	21.50	41.25	4118
3.89	3.70	22.35	21.50	47.00	3983
4.37	3.70	22.67	21.50	70.00	3534
3.63	2.47	24.53	23.00		4483
3.35	2.47	23.34	23.00	41.00	3118
3.96	3.70	23.01	21.50		4905
3.96	3.70	21.69	21.50	55.00	3764
3.75	3.70	22.36	21.50	43.00	4982
4.38	3.70	23.48	21.50	47.50	3484
3.81	3.70	21.56	21.50	49.00	3860
4.21	3.70	22.81	21.50	49.00	4993
2.95	2.47	25.07	23.00	50.00	2993
2.90	2.47	26.88	23.00		4144
2.87	2.47	25.07	23.00	50.00	3315
*1.80	2.50	30.81	22.00	43.00	4933
3.36	2.47	15.30	23.00	55.00	2592
3.15	2.47	25.96	23.00	55.00	4467
3.73	3.70	22.75	20.00	51.00	3783
4.10	3.70	22.07	20.00	50.00	3922
3.33	2.47	26.94	22.88	55.00	2614
2.81	2.47	26.12	22.88	80.00	3044

*Deficient.

TABLE IV—GROUND

Chemist's number	Name of Manufacturer and Brand	Sample Taken From—
3272	Steamed Bone Meal, ----- INDEPENDENT MANUFACTURING CO., PHILADELPHIA, PA.	Chas. M. Smith, Lewistown, -----
2521	Independent's Special Florists Bone Meal, ---	Great Valley Mills, Paoli, -----
3201	Independent's Special Florists Bone Meal, --- THE JARECKI CHEMICAL COMPANY, SANDUSKY, OHIO.	Independent Manufacturing Co., Phila- delphia, -----
3999	Jarecki's Raw Bone Meal, ----- THE LANCASTER CHEMICAL CO., LANCASTER, PA.	Charles Lumberg, Mt. Jewett, -----
3679	No. 9 Bone Meal, ----- FRED E. LORD, ESPY, PA.	Lancaster Chemical Co., Lancaster, ---
2814	Bone Meal, -----	Fred E. Lord, Espy, -----
3013	Bone Meal, -----	Fred E. Lord, Espy, -----
4329	Bone Meal, ----- THE MILLER FERTILIZER CO., BALTIMORE, MD.	Fred E. Lord, Espy, -----
4021	Miller's Bone Meal, -----	Walker Brothers, Chambersburg, -----
4232	Pure Raw Ground Bone, ----- NITRATE AGENCIES COMPANY, BALTIMORE, MD.	H. J. Lindner & Son, Pottsgrove, ---
2677	Naco Brand Ground Steam Bone, ----- PIEDMONT MT. AIRY GUANO COMPANY, BALTIMORE, MD.	Wm. Pfeilsticker, South Oil City, -----
2847	Piedmont Bone Meal, -----	Ditz & Mooney Hardware, Clarion, ---
2562	Piedmont Raw Bone Meal, ----- READING BONE FERTILIZER CO., READING, PA.	L. S. Hummel, Laughlintown, -----
3991	Pure Raw Bone, ----- ROBERT A. REICHARD, INC., ALLEN TOWN, PA.	C. H. Mons, Kylertown, -----
4578	Reichard's Raw Bone Meal 4½-45, -----	E. A. Beek, Lehighton, -----
4816	Reichard's Raw Bone Meal 4½-45, ----- F. S. ROYSTER GUANO CO., BALTIMORE, MD.	John Williams & Sons, White Haven, --
2760	Royster's Fine Ground Bone Meal, -----	Franklin Feed & Supply Co., Franklin, --
3474	Royster's Fine Ground Bone Meal, -----	Ridgway Grist Mill, Ridgway, -----
3005	Royster's Fine Ground Bone Meal, ----- STANDARD CHEMICAL WORKS, INC., READING, PA.	Weeks Hardware Co., Scranton, -----
2754	Fine Bone Meal, ----- SUMMERS FERTILIZER CO., BALTIMORE, MD.	C. L. Webster, Kelton, -----
3872	Summer's Best on Earth Ground Steamed Bone, ----- SWIFT & COMPANY, BALTIMORE, MD.	L. A. Carlson, Warren, -----
4463	Swift's Bone Meal Fertilizer, -----	J. E. Baker, Trout Run, -----
3091	Swift's Bone Meal Fertilizer, -----	G. H. Dippe, Stillwater, -----

BONE FERTILIZERS—Continued.

NITROGEN		PHOSPHORIC ACID		Selling price per ton at place of selection	Chemist's number
Found	Guaranteed	Found	Guaranteed		
%	%	%	%	\$	
2.75	2.47	23.23	22.88	-----	3272
*1.91	2.46	23.39	22.88	44.00	2521
3.10	2.46	24.33	22.88	38.00	3201
4.30	3.70	23.28	21.50	46.25	3999
4.38	2.46	22.07	22.00	-----	3679
3.97	3.29	20.61	18.00	40.50	2814
4.45	3.29	17.92	18.00	45.00	3013
4.23	3.70	19.94	19.00	49.00	4329
2.94	2.47	25.78	22.88	-----	4021
4.19	3.70	23.73	21.50	50.00	4232
2.87	2.46	23.88	22.89	42.00	2677
3.00	2.47	22.77	21.00	45.00	2847
4.37	3.70	21.05	20.00	-----	2592
4.50	3.28	18.32	18.00	60.00	3091
3.93	3.20	20.92	20.60	-----	4578
4.43	3.20	22.83	20.60	54.00	4816
3.49	2.47	25.84	22.90	48.00	2700
3.13	2.47	28.00	22.90	50.00	3474
3.60	2.47	25.42	22.90	80.00	3005
2.82	2.46	24.24	23.00	-----	2754
2.75	2.46	23.01	22.89	60.00	3872
2.88	2.47	24.93	24.00	40.00	4433
2.81	2.47	25.69	24.00	40.90	3091

*Deficient.

TABLE IV—GROUND

Chemist's number	Name of Manufacturer and Brand	Sample Taken From—
3186	Swift's Bone Meal Fertilizer, -----	Chas. McDonell, Mansfield, -----
2990	Swift's Bone Meal Fertilizer, -----	Archie Ridall, Hicks Ferry, -----
4066	Swift's Bone Meal Fertilizer, -----	W. P. Seerer, Lewistown, -----
3982	Swift's Raw Bone Meal Fertilizer, -----	Z. L. Brothers, Ebensburg, -----
3897	Swift's Red Steer 1 $\frac{1}{4}$ and 29 Bone Meal Fertilizer, -----	Cannonsburg Milling Co., Cannonsburg, -----
4953	Swift's Red Steer 1 $\frac{1}{4}$ and 29 Bone Meal Fertilizer, -----	H. F. Gelbach, Evans City, -----
3113	Swift's Red Steer 1 $\frac{1}{4}$ and 29 Bone Meal Fertilizer, -----	Chas. C. Good, North Girard, -----
	I. P. THOMAS & SON CO., PHILADELPHIA, PA.	
2948	Pure Ground Animal Bone, -----	C. W. Thomas, Danville, -----
	VIRGINIA-CAROLINA CHEMICAL CORPORATION, NEW YORK, N. Y.	
3724	Fine Ground Bone, -----	Emporium Supply Co., Emporium, ----
4108	Fine Ground Bone, -----	Murray Co., Honesdale, -----
3243	Pure Raw Bone, -----	S. T. Benninger, St. Johns, -----
		Average, -----

BONE FERTILIZERS—Concluded.

NITROGEN		PHOSPHORIC ACID		Selling price per ton at place of selection	Chemist's number
Found	Guaranteed	Found	Guaranteed		
%	%	%	%	\$	
2.36	2.47	24.95	24.00	55.00	3183
3.07	2.47	23.85	24.00	35.00	2990
4.12	2.47	23.85	24.00		4063
3.86	3.70	24.57	20.00	55.00	3082
2.14	1.03	*23.52	20.00	43.60	3897
2.43	1.03	28.96	20.00	50.00	4953
2.17	1.03	20.26	20.00	44.00	3113
5.65		21.56		48.80	2948
2.67	2.47	25.36	22.50	60.00	3724
2.92	2.47	23.59	22.50	60.00	4103
4.37	3.70	22.73	20.60	40.00	3243
3.37		24.29		50.09	

*Deficient.

TABLE V—ACIDULATED
Furnishing

Chemist's number.	Name of Manufacturer and Brand.	Sample Taken From—
THE AMERICAN AGRICULTURAL CHEMICAL CO., NEW YORK, N. Y.		
2604	16% Acid Phosphate, -----	J. B. Anderson's Sons, Shickshinny, ----
3586	16% Acid Phosphate, -----	W. A. Bright, Greenville, -----
4416	16% Acid Phosphate, -----	Ewing & Kinsloe, Newton Hamilton, --
2569	16% Acid Phosphate, -----	Farmers Exchange, Indiana, -----
2919	16% Acid Phosphate, -----	Gump & Son, Everett, -----
4885	16% Acid Phosphate, -----	L. T. Lardley, Carmichaels, -----
2721	16% Acid Phosphate, -----	J. A. Marsteller, Hartstown, -----
4866	16% Acid Phosphate, -----	S. S. McCollough, Burnside, -----
4558	16% Acid Phosphate, -----	F. E. Moulthrop, Conneautville, -----
3448	16% Acid Phosphate, -----	Geo. B. Schweitzer, Lehighton, -----
3772	16% Acid Phosphate, -----	I. W. Scott Co., Pittsburgh, -----
4218	16% Acid Phosphate, -----	W. S. Sidler, Danville, -----
4384	16% Acid Phosphate, -----	E. J. Welch, Plumville, -----
3065	20% Acid Phosphate, -----	Joseph London, Cloc, -----
3500	20% Acid Phosphate, -----	Russell Brothers, Washington, -----
2988	20% Acid Phosphate, -----	Jos. Shero, Carrolltown, -----
3319	20% Acid Phosphate, -----	John C. Taylor, Estate, Shade Gap, --
4297	20% Acid Phosphate, -----	John C. Taylor, Estate, Shade Gap, --
4385	20% Acid Phosphate, -----	E. J. Welch, Plumville, -----
4663	Bowker's 16% Acid Phosphate, -----	John S. Fleck, Tyrone, -----
2960	Bowker's 16% Acid Phosphate, -----	Hartley & Blaine, Turbotville, -----
3917	Bowker's 16% Acid Phosphate, -----	Vincent Huber, Patton, -----
2896	Bowker's 16% Acid Phosphate, -----	George E. Rohm, Breezewood, -----
4519	Bowker's 16% Acid Phosphate, -----	Robert Smith, Center Hall, -----
2984	Bowker's 16% Acid Phosphate, -----	Blair Treese, Williamsburg, -----
2672	E. Frank Coc's 10% Superphosphate, -----	J. C. Dunbar, Williamsport, -----
2584	E. Frank Coc's 16% Superphosphate, -----	George A. Konkle, Montoursville, -----
2961	E. Frank Coc's 16% Superphosphate, -----	D. A. Lighty, Newry, -----
4594	E. Frank Coc's 10% Superphosphate, -----	John H. Roth, West Hamburg, -----
3804	E. Frank Coc's 10% Superphosphate, -----	A. D. Snelzer, Bellefonte, -----
3664	Hess Special High Grade Acid Phosphate, -----	T. H. Donnelly, Water Street, -----
2629	Hess Special High Grade Acid Phosphate, -----	J. R. Iddings, Mifflinburg, -----
2907	Hess Special High Grade Acid Phosphate, -----	J. E. Jackson, Everett, -----
4429	Hess Special High Grade Acid Phosphate, -----	J. M. Musser, Mifflintown, -----
2982	Lister's High Grade Acid Phosphate, -----	H. N. Dilling, Martinsburg, -----
3725	Lister's High Grade Acid Phosphate, -----	Frey's Hardware Co., Muney, -----
3362	Lister's High Grade Acid Phosphate, -----	Herman & Wetzel, Selinsgrove, -----
2897	Lister's High Grade Acid Phosphate, -----	M. H. Hollingshead, Harrisonville, -----
4133	Lister's High Grade Acid Phosphate, -----	W. H. Stock, New Oxford, -----
4897	Lister's High Grade Acid Phosphate, -----	J. E. Wible, Three Springs, -----
4139	Patapseo High Grade Acid Phosphate, -----	D. E. Schwartz, Gettysburg, -----
2879	Patapseo High Grade Acid Phosphate, -----	F. P. Waite, Tyrone, -----
3078	Patapseo High Grade Acid Phosphate, -----	J. P. Walters, Vicksburg, -----
4261	Patapseo High Grade Acid Phosphate, -----	J. P. Walters, Vicksburg, -----
ARMOUR FERTILIZER WORKS, BALTIMORE, MD.		
3508	Armour's Big Crop Fertilizers Acid Phosphate 16%, -----	Blair & Hampton, Waynesburg, -----
2662	Armour's Big Crop Fertilizers Acid Phosphate 16%, -----	D. Luther Bogenrief, Mifflinburg, -----
4870	Armour's Big Crop Fertilizers Acid Phosphate 16%, -----	W. H. Dunlap, Jr., Cannonsburg, -----
4733	Armour's Big Crop Fertilizers Acid Phosphate 16%, -----	C. S. Hagerty, Alexandria, -----
2829	Armour's Big Crop Fertilizers Acid Phosphate 16%, -----	Hibner, Hoover Hardware Co., DuBois, -----
4628	Armour's Big Crop Fertilizers Acid Phosphate 16%, -----	Moore & Moore, Portersville, -----
3592	Armour's Big Crop Fertilizers Acid Phosphate 16%, -----	J. B. Roax, New Wilmington, -----

PHOSPHATE FERTILIZERS.

Phosphoric Acid.

PHOSPHORIC ACID.						Selling price per ton at place of selection.	Chemist's number.
Total.		Available.		Insoluble.			
Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
%	%	%	%	%	%	\$	
17.76	16.50	16.62	16.00	1.14	0.50	16.00	2604
18.93	16.50	17.31	16.00	1.62	0.50	18.00	3586
17.51	16.50	16.77	16.00	0.74	0.50	20.64	4416
17.07	16.50	16.03	16.00	1.04	0.50	20.00	2569
18.05	16.50	17.31	16.00	0.74	0.50	17.00	2919
18.51	16.50	17.63	16.00	0.88	0.50	24.50	4885
18.75	16.50	17.17	16.00	1.58	0.50	17.00	2721
17.69	16.50	16.71	16.00	0.98	0.50	22.00	4866
18.20	16.50	17.48	16.00	0.72	0.50	18.40	4558
19.10	16.50	17.28	16.00	1.82	0.50	15.50	3448
16.98	16.50	16.32	16.00	0.66	0.50	22.50	3772
17.74	16.50	16.88	16.00	0.86	0.50	18.20	4218
17.48	16.50	16.94	16.00	0.54	0.50	20.50	4384
21.97	20.50	21.17	20.00	0.80	0.50	21.40	3065
21.75	20.50	20.63	20.00	1.12	0.50	26.50	3500
21.21	20.50	21.11	20.00	0.10	0.50	20.00	2988
21.05	20.50	20.81	20.00	0.24	0.50	22.00	3319
21.97	20.50	21.73	20.00	0.24	0.50	25.00	4297
21.82	20.50	20.70	20.00	1.12	0.50	24.00	4385
18.05	16.50	17.21	16.00	0.84	0.50	19.00	4663
17.58	16.50	16.76	16.00	0.82	0.50	15.00	2960
18.25	16.50	17.33	16.00	0.92	0.50	18.00	3917
16.71	16.50	16.15	16.00	0.56	0.50	17.00	2896
18.42	16.50	17.48	16.00	0.94	0.50	-----	4519
17.67	16.50	16.69	16.00	0.98	0.50	16.00	2984
17.25	16.50	16.61	16.00	0.64	0.50	15.55	2672
17.91	16.50	17.35	16.00	0.56	0.50	18.50	2584
17.25	16.50	16.53	16.00	0.72	0.50	18.50	2961
17.76	16.50	17.10	16.00	0.66	0.50	18.00	4594
18.33	16.50	17.85	16.00	0.48	0.50	15.00	3804
17.86	16.50	17.12	16.00	0.74	0.50	17.00	3664
17.82	16.50	16.98	16.00	0.84	0.50	16.20	2629
17.50	16.50	16.84	16.00	0.66	0.50	17.00	2907
17.77	16.50	16.91	16.00	0.86	0.50	18.50	4429
18.06	16.50	17.34	16.00	0.72	0.50	17.50	2982
17.48	16.50	16.96	16.00	0.52	0.50	11.90	3725
18.15	16.50	17.23	16.00	0.92	0.50	16.00	3362
18.02	16.50	17.16	16.00	0.86	0.50	17.80	2897
18.22	16.50	17.20	16.00	1.02	0.50	15.50	4133
17.65	16.50	17.13	16.00	0.52	0.50	22.00	4897
18.32	16.50	17.34	16.00	0.98	0.50	15.50	4139
17.51	16.50	17.07	16.00	0.44	0.50	17.00	2879
17.23	16.50	16.61	16.00	0.62	0.50	16.50	3078
18.13	16.50	16.89	16.00	1.24	0.50	19.50	4361
17.30	16.50	16.72	16.00	0.58	0.50	21.00	3508
17.12	16.50	16.54	16.50	0.58	-----	16.25	2662
17.92	16.50	17.54	16.00	0.38	0.50	21.50	4870
18.19	16.50	17.75	16.00	0.44	0.50	20.50	4733
17.71	16.50	17.05	16.00	0.66	0.50	21.00	2829
17.02	16.50	16.26	16.00	0.76	0.50	21.00	4628
17.23	16.50	16.75	16.00	0.48	0.50	19.00	3592

TABLE V—ACIDULATED

Chemist's number.	Name of Manufacturer and Brand.	Sample Taken From—
2716	Armour's Big Crop Fertilizers Acid Phosphate 16%, -----	H. Schmaltz & Co., Kennett Square, --
4837	Armour's Big Crop Fertilizers Acid Phosphate 16%, -----	Steele's Store, Latrobe, -----
4653	Armour's Big Crop Fertilizers Acid Phosphate 16%, -----	L. P. Swope & Co., Duncansville, -----
3748	Armour's Big Crop Fertilizers Acid Phosphate 16%, -----	Glen E. Tingley, New Milford, -----
3429	Armour's Big Crop Fertilizers Acid Phosphate 16%, -----	Valley Coal Co., Sayre, -----
3171	Armour's Big Crop Fertilizers Superphosphate 20%, -----	Devling Brothers, Galeton, -----
4871	Armour's Big Crop Fertilizers Superphosphate 20%, -----	W. H. Dunlap, Jr., Cannonsburg, -----
3758	Armour's Big Crop Fertilizers Superphosphate 20%, -----	H. G. Lake, Monroë, -----
3538	Armour's Big Crop Fertilizers Superphosphate 20%, -----	New Florence Flouring Mills, New Florence, -----
2691	Armour's Big Crop Fertilizers Superphosphate 20%, -----	Oil City Milling Co., Oil City, -----
4836	Armour's Big Crop Fertilizers Superphosphate 20%, -----	Steele's Store, Latrobe, -----
4649	Armour's Big Crop Fertilizers Superphosphate 20%, -----	L. P. Swope & Co., Duncansville, -----
3973	Armour's Big Crop Fertilizers Superphosphate 20%, -----	L. A. Yeackley, Patton, -----
	BALTIMORE FERTILIZER CO., BALTIMORE, MD.	
4014	Honest 16% Acid Phosphate, -----	Chambersburg Fertilizer Works, Chambersburg, -----
4686	Honest 16% Acid Phosphate, -----	Chambersburg Fertilizer Works, Chambersburg, -----
	BAUGH & SONS COMPANY, PHILADELPHIA, PA.	
2528	Baugh's 16% Acid Phosphate, -----	Edw. Brinton & Sons, West Chester, --
4681	Baugh's 16% Acid Phosphate, -----	D. W. Faust & Sons, Chambersburg, --
2726	Baugh's 16% Acid Phosphate, -----	H. C. Hutchinson, Hydetown, -----
4892	Baugh's 16% Acid Phosphate, -----	John H. Laird, Wylandville, -----
3056	Baugh's 16% Acid Phosphate, -----	H. C. McEwen, New Bethlehem, -----
4964	Baugh's 16% Acid Phosphate, -----	W. J. Pratt, Pocopson, -----
4143	Baugh's 16% Acid Phosphate, -----	D. E. Schwartz, Gettysburg, -----
4389	Baugh's 16% Acid Phosphate, -----	H. M. Shearer, New Alexandria, -----
3080	Baugh's 16% Acid Phosphate, -----	W. M. Simington, Pottsgrove, -----
3435	Baugh's 16% Acid Phosphate, -----	W. B. Tobias, Mohrsville, -----
3148	Baugh's 16% Acid Phosphate, -----	S. S. Wetzell, Marion Center, -----
4408	Baugh's 16% Acid Phosphate, -----	S. S. Wetzell, Marion Center, -----
3284	Baugh's 20% Acid Phosphate, -----	R. L. Auker, Millintown, -----
4833	Baugh's 20% Acid Phosphate, -----	Farmer's Exchange, Indiana, -----
3637	Baugh's 20% Acid Phosphate, -----	John Riggs, Hubbard, R. D. -----
4994	Baugh's 20% Acid Phosphate, -----	West Manheim Farmers Association, Hanover, -----
3149	Baugh's 20% Acid Phosphate, -----	S. S. Wetzell, Marion Center, -----
	CARLISLE FERTILIZER WORKS, INC., CARLISLE, PA.	
3381	Carlisle 16% Acid Phosphate, -----	Carlisle Fertilizer Works, Inc., Carlisle, -----
4288	Carlisle 16% Acid Phosphate, -----	Carlisle Fertilizer Works, Inc., Carlisle, -----
	CENTRAL CHEMICAL COMPANY, HAGERSTOWN, MD.	
4213	Gro-All Dissolved Phosphate 16%, -----	The Central Chemical Co., Milton, -----

PHOSPHATE FERTILIZERS—Continued.

PHOSPHORIC ACID.						Selling price per ton at place of selection.	Chemist's number.
Total.		Available.		Insoluble.			
Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
%	%	%	%	%	%	\$	
17.64	16.50	17.30	16.00	0.34	0.50	17.50	2746
18.41	16.50	17.95	16.00	0.46	0.50	22.00	4837
17.73	16.50	17.45	16.00	0.28	0.50	22.00	4653
17.73	16.50	17.25	16.00	0.48	0.50	18.50	3748
16.84	16.50	16.44	16.00	0.40	0.50	17.50	3420
21.32	20.50	21.12	20.00	0.20	0.50	25.40	3171
21.17	20.50	20.95	20.00	0.22	0.50	24.50	4871
21.47	20.50	21.21	20.00	0.26	0.50	25.00	3753
21.98	20.50	21.82	20.00	0.16	0.50	22.00	3538
21.58	20.50	21.40	20.00	0.18	0.50	20.90	2601
20.84	20.50	20.48	20.00	0.36	0.50	25.00	4836
20.86	20.50	20.52	20.00	0.34	0.50	24.50	4649
20.32	20.50	20.16	20.00	0.16	0.50	19.80	3973
18.90	16.50	17.60	16.00	1.30	0.50	15.00	4014
18.39	16.50	16.57	16.00	1.82	0.50	-----	4686
17.48	16.00	16.30	16.00	1.18	-----	18.00	2528
18.75	16.00	17.63	16.00	1.12	-----	-----	4681
18.53	16.00	17.73	16.00	0.80	-----	-----	2726
19.44	16.00	18.38	16.00	1.06	-----	21.00	4892
18.11	16.00	17.37	16.00	0.74	-----	19.90	3056
19.31	16.00	18.43	16.00	0.88	-----	18.00	4964
18.50	16.00	17.68	16.00	0.82	-----	-----	4143
18.90	16.00	17.84	16.00	1.06	-----	21.00	4389
18.15	16.00	17.41	16.00	0.74	-----	13.80	3080
18.37	16.00	17.45	16.00	0.92	-----	16.50	3435
18.50	16.00	17.78	16.00	0.72	-----	16.50	3148
19.01	16.00	17.73	16.00	1.28	-----	18.50	4408
21.94	20.00	21.74	20.00	0.20	-----	-----	3281
22.08	20.00	21.36	20.00	0.72	-----	25.00	4833
21.39	20.00	21.23	20.00	0.16	-----	26.90	3637
22.22	20.00	21.48	20.00	0.74	-----	21.95	4994
21.83	20.00	20.73	20.00	1.10	-----	21.00	3149
17.88	16.50	16.58	16.00	1.30	0.50	16.00	3381
17.62	16.50	16.06	16.00	1.56	0.50	-----	4283
18.34	16.50	17.30	16.00	1.04	0.50	18.60	4213

TABLE V—ACIDULATED

Chemist's number.	Name of Manufacturer and Brand.		Sample Taken From—	
3286	Gro-All Dissolved Phosphate 16%, -----		J. M. Musser, Mifflintown, -----	
3936	Gro-All Dissolved Phosphate 16%, -----		C. A. Philips, Meyersdale, -----	
4027	Gro-All Dissolved Phosphate 16%, -----		Strickler & Gillan, Greencastle, -----	
4708	Gro-All Dissolved Phosphate 16%, -----		Strickler & Gillan, Greencastle, -----	
4664	Gro-All Dissolved Phosphate 16%, -----		Blair Treese, Williamsburg, -----	
4840	Gro-All Dissolved Phosphate 16%, -----		West Newton Milling Co., West Newton, -----	
4499	Gro-All Dissolved Phosphate 16%, -----		R. K. Yoder, Belleville, -----	
4714	Gro-All Dissolved Phosphate 20%, -----		Abe E. Engler, Wapwallopen, -----	
	CO-OPERATIVE G. L. F. EXCHANGE, INC., NEW YORK, N. Y.			
3744	G. L. F. 16% Acid Phosphate, -----		Brant Brothers, Great Bend, -----	
3167	G. L. F. 16% Acid Phosphate, -----		Eulalia Milling Co., Coudersport, -----	
4111	G. L. F. 16% Acid Phosphate, -----		Honesdale G. L. F. Service, Honesdale, -----	
2738	G. L. F. 16% Acid Phosphate, -----		Union City Cooperative Association, Union City, -----	
	DELAWARE RIVER CHEMICAL WORKS, BALTIMORE, MD.			
3159	Delaware River 16% Acid Phosphate, -----		D. E. Goodnough, Coudersport, -----	
	EASTERN GUANO CO., NEW YORK, N. Y.			
3115	Eastern Dissolved Phosphate, -----		West Side Feed & Fuel Co., Erie, -----	
	EASTERN STATES FARMERS EXCHANGE, SPRINGFIELD, MASS.			
4755	Eastern States Acid Phosphate 16%, -----		F. W. Harris, East Waterford, -----	
	AMOS EBY & CO., LEAMAN PLACE, PA.			
3687	Eby 16% Acid Phosphate, -----		Amos Eby & Co., Leaman Place, -----	
4791	Eby 16% Acid Phosphate, -----		Amos Eby & Co., Leaman Place, -----	
	FARMERS FERTILIZER & FEED CO., WESTMINSTER, MD.			
5000	Acid Phosphate, -----		C. E. Gobrecht, Hanover, -----	
	FARMERS FERTILIZER WORKS, ELIZABETHTOWN, PA.			
3291	Acid Phosphate, -----		J. T. Auker, Mifflintown, -----	
4784	Acid Phosphate, -----		Farmers Fertilizer Works, Elizabethtown, -----	
	GRIFFITH & BOYD CO., BALTIMORE, MD.			
4920	Griffith & Boyd Co.'s High Grade 16% Acid Phosphate, -----		Adams & Cunningham, Imperial, -----	
2978	Griffith & Boyd Co.'s High Grade 16% Acid Phosphate, -----		H. N. Dilling, Martinsburg, -----	
3599	Griffith & Boyd Co.'s High Grade 16% Acid Phosphate, -----		Harmony Cereal Mills, Harmony, -----	
3781	Griffith & Boyd Co.'s High Grade 16% Acid Phosphate, -----		Hoburg Brothers, Etna, -----	
4488	Griffith & Boyd Co.'s High Grade 16% Acid Phosphate, -----		Houek & Cherrington, Catawissa, -----	
2634	Griffith & Boyd Co.'s High Grade 16% Acid Phosphate, -----		Charles G. Kleckner, Millmont, -----	
4404	Griffith & Boyd Co.'s High Grade 16% Acid Phosphate, -----		Kline Grain Co., Shelocta, -----	
3145	Griffith & Boyd Co.'s High Grade 16% Acid Phosphate, -----		J. D. Repine, Kent, -----	
4949	Griffith & Boyd Co.'s High Grade 16% Acid Phosphate, -----		Stultz Brothers, Hollidaysburg, -----	
4272	Griffith & Boyd Co.'s 20% Acid Phosphate, -----		Cornelius Harman, Montgomery, -----	

PHOSPHATE FERTILIZERS—Continued.

PHOSPHORIC ACID.						Selling price per ton at place of selection.	Chemist's number.
Total.		Available.		Insoluble.			
Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
%	%	%	%	%	%	\$	
18.23	16.50	16.88	16.00	1.35	0.50	17.00	3286
18.30	16.50	16.48	16.00	1.85	0.50	19.50	3536
17.93	16.50	17.83	16.00	0.10	0.50		4027
18.82	16.50	17.66	16.00	1.16	0.50		4708
17.77	16.50	16.47	16.00	1.30	0.50	19.50	4664
18.30	16.50	17.92	16.00	0.38	0.50	21.00	4840
17.87	16.50	16.63	16.00	1.24	0.50	18.00	4499
22.32	20.50	21.16	20.00	1.16	0.50	23.55	4714
18.85	16.50	18.69	16.00	0.16	0.50	18.50	3744
17.74	16.50	17.42	16.00	0.32	0.50	17.50	3167
17.68	16.50	16.98	16.00	0.70	0.50	18.00	4111
17.12	16.50	16.84	16.00	0.28	0.50	16.60	2738
18.11	16.00	16.85	16.00	1.26		20.00	3159
17.22	16.50	16.00	16.00	1.22	0.50	17.90	3115
18.18	16.50	17.08	16.00	1.10	0.50		4755
19.10	17.00	18.76	16.00	0.34	1.00	16.50	3687
18.62	17.00	17.42	16.00	1.20	1.00		4791
18.79	17.00	17.43	16.00	1.36	1.00		5000
16.72	16.00	16.54	16.00	0.18		18.00	3291
17.31	16.00	17.13	16.00	0.18			4784
17.68	17.00	17.56	16.00	0.12	1.00	21.50	4920
16.63	17.00	16.59	16.00	0.04	1.00	17.50	2978
17.93	17.00	17.87	16.00	0.06	1.00	18.00	3599
18.57	17.00	17.87	16.00	0.70	1.00	21.50	3781
18.67	17.00	18.55	16.00	0.12	1.00	17.95	4488
18.37	17.00	18.27	16.00	0.10	1.00	16.00	2634
17.99	17.00	17.85	16.00	0.14	1.00	21.50	4404
18.62	17.00	18.56	16.00	0.06	1.00	16.90	3145
18.71	17.00	18.63	16.00	0.08	1.00		4949
20.87	20.50	20.51	20.00	0.36	0.50	22.25	4272

TABLE V—ACIDULATED

Chemist's number.	Name of Manufacturer and Brand.	Sample Taken From—
THE HUBBARD FERTILIZER COMPANY, BALTIMORE, MD.		
2717	Hubbard's 16% Acid Phosphate, -----	Acme Milling Co., Cochranton, -----
2571	Hubbard's 16% Acid Phosphate, -----	Agricultural Extension Association, Lock Haven, -----
3128	Hubbard's 16% Acid Phosphate, -----	H. M. Brown, Indiana, -----
2615	Hubbard's 16% Acid Phosphate, -----	Gallagher & Stevick, Wilkes-Barre, -----
3506	Hubbard's 16% Acid Phosphate, -----	W. H. Guthrie, Bentleyville, -----
4820	Hubbard's 16% Acid Phosphate, -----	A. L. Helman, Indiana, -----
4895	Hubbard's 16% Acid Phosphate, -----	H. E. Huston, Sault, -----
2623	Hubbard's 16% Acid Phosphate, -----	State Hospital Farm, Danville, -----
4672	Hubbard's 16% Acid Phosphate, -----	J. F. Wineland, Curryville, -----
2577	Hubbard's 20% Acid Phosphate, -----	Agricultural Extension Association, Lock Haven, -----
INTERNATIONAL AGRICULTURAL CORPORATION, BUFFALO, N. Y.		
4843	Buffalo 16% Acid Phosphate, -----	Kline Grain Co., Shelocta, -----
3638	Buffalo 16% Acid Phosphate, -----	Morland Brothers, Jamestown, -----
3162	Buffalo 20% Acid Phosphate, -----	Eulalia Milling Co., Coudersport, -----
THE JARECKI CHEMICAL CO., SANDUSKY, OHIO.		
3590	Jarecki's 16% Acid Phosphate, -----	L. W. Crummy, Greenville, -----
4532	Jarecki's 16% Acid Phosphate, -----	The Farmers Exchange, Inc., Clearfield, -----
3503	Jarecki's 16% Acid Phosphate, -----	J. K. Lawson, Washington, -----
3806	Jarecki's 16% Acid Phosphate, -----	R. T. Zimmerman, Bellefonte, -----
3589	Jarecki's 20% Superphosphate, -----	L. W. Crummy, Greenville, -----
4535	Jarecki's 20% Superphosphate, -----	The Farmers Exchange, Inc., Clearfield, -----
4057	Jarecki's 20% Superphosphate, -----	L. E. Hess, Philipsburg, -----
KEYSTONE GRANGE EXCHANGE, INC., HARRISBURG, PA.		
2609	Granger's Acid Phosphate, -----	J. N. Baker, Allenwood, -----
3583	Granger's Acid Phosphate, -----	J. C. Britton, New Galilee, -----
4548	Granger's Acid Phosphate, -----	Cochranon Cooperative Association, Cochranton, -----
4183	Granger's Acid Phosphate, -----	A. L. Edwards, Hiram, -----
3225	Granger's Acid Phosphate, -----	Chas. M. Pallman, Clarks Summit, -----
3543	Granger's Acid Phosphate, -----	Walter C. Simpson, Marion Center, -----
4844	Granger's Acid Phosphate, -----	Walter C. Simpson, Marion Center, -----
2835	Granger's Acid Phosphate, -----	G. B. Wachob, Dubois, -----
KOLLER FERTILIZER COMPANY, SEITZLAND, PA.		
4080	Koller's High Grade Acid Phosphate 16%, -----	Koller Fertilizer Co., Seitzland, -----
4082	Koller's 20% Acid Phosphate, -----	Koller Fertilizer Co., Seitzland, -----
LANCASTER BONE FERTILIZER CO., LANCASTER, PA.		
3391	Conestoga Brand Acid Phosphate, -----	Firestone & Shillito, Dillsburg, -----
2797	Conestoga Brand Acid Phosphate, -----	George W. Reppert, Hamburg, -----
3373	Conestoga Brand Acid Phosphate, -----	George H. Steininger, Middleburg, -----
4376	Conestoga Brand Acid Phosphate, -----	George H. Steininger, Middleburg, -----
LANCASTER CHEMICAL CO., LANCASTER, PA.		
3677	No. 16 Phosphoric Acid Special, -----	Lancaster Chemical Co., Lancaster, -----
LEBANON FERTILIZER WORKS, LEBANON, PA.		
4762	Levan's Super Phosphate 0-16-0, -----	John A. Bayer, Hamburg, -----
4802	Levan's Super Phosphate 0-16-0, -----	A. L. Herr & Brother, Quarryville, -----

PHOSPHATE FERTILIZERS—Continued.

PHOSPHORIC ACID.						Selling price per ton at place of selection.	Chemist's number.
Total.		Available.		Insoluble.			
Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
%	%	%	%	%	%	\$	
17.90	16.50	17.16	16.00	0.74	0.50	16.40	2717
18.01	16.50	17.25	16.00	0.76	0.50	16.50	2571
17.65	16.50	16.79	16.00	0.86	0.50	17.00	3128
16.90	16.50	16.38	16.00	0.52	0.50	25.00	2615
18.22	16.50	17.33	16.00	0.84	0.50	21.00	3506
18.14	16.50	17.28	16.00	0.86	0.50	19.40	4826
18.56	16.50	17.72	16.00	0.84	0.50	22.00	4895
18.09	16.50	17.23	16.00	0.86	0.50	-----	2623
18.41	16.50	17.69	16.00	0.72	0.50	20.00	4672
21.00	20.50	20.20	20.00	0.80	0.50	19.40	2577
17.91	17.00	17.47	16.00	0.44	1.00	21.50	4843
17.73	17.00	16.83	16.00	0.90	1.00	17.00	3638
20.86	21.00	20.14	20.00	0.72	1.00	21.00	3162
18.25	16.50	17.71	16.00	0.54	0.50	18.50	3590
17.87	16.50	17.17	16.00	0.70	0.50	21.00	4532
17.88	16.50	17.34	16.00	0.54	0.50	22.50	3503
17.58	16.50	17.04	16.00	0.54	0.50	15.00	3806
21.98	20.50	21.78	20.00	0.20	0.50	22.00	3589
21.56	20.50	21.34	20.00	0.22	0.50	24.50	4535
22.17	20.50	21.93	20.00	0.24	0.50	20.00	4057
18.11	16.50	17.53	16.00	0.58	0.50	16.10	2669
18.32	16.50	17.56	16.00	0.76	0.50	16.80	3583
18.75	16.50	17.47	16.00	1.28	0.50	19.75	4548
18.39	16.50	17.79	16.00	0.60	0.50	18.25	4183
18.50	16.50	17.80	16.00	0.70	0.50	11.80	3225
18.47	16.50	17.51	16.00	0.96	0.50	16.80	3543
18.00	16.50	17.50	16.00	0.50	0.50	18.50	4844
18.50	16.50	17.62	16.00	0.88	0.50	16.80	2835
18.06	-----	18.00	16.00	0.06	-----	17.00	4080
21.43	-----	20.39	20.00	1.04	-----	21.00	4082
17.59	17.00	16.91	16.00	0.68	1.00	-----	3391
17.32	17.00	16.20	16.00	1.02	1.00	18.00	2797
19.26	17.00	18.38	16.00	0.88	1.00	18.00	3373
17.99	17.00	17.33	16.00	0.66	1.00	19.00	4376
17.83	17.00	17.71	16.00	0.12	1.00	-----	3677
18.04	17.00	17.68	16.00	0.36	1.00	19.36	4762
18.19	17.00	17.79	16.00	0.40	1.00	-----	4802

TABLE V—ACIDULATED

Chemist's number.	Name of Manufacturer and Brand.	Sample Taken From—
3663	Levan's Super Phosphate 0-16-0, -----	V. A. Huber, Patton, -----
3021	Levan's Super Phosphate 0-16-0, -----	Chas. Mertz, Slatington, -----
	FRED E. LORD, ESPY, PA.	
2809	Acid Phosphate, -----	Fred E. Lord, Espy, -----
4326	Acid Phosphate, -----	Fred E. Lord, Espy, -----
	THE MILLER FERTILIZER CO., BALTI-MORE, MD.	
2911	Miller's Acid Phosphate 16% -----	Francis Baker, Everett, -----
4305	Miller's Acid Phosphate 16% -----	Ross Goodman, Huntingdon, -----
2647	Miller's Acid Phosphate 16% -----	J. R. Iddings, Mifflinburg, -----
4228	Miller's Acid Phosphate 16% -----	H. J. Lindner & Son, Pottsgrove, -----
3233	Miller's Acid Phosphate 16% -----	Robert Lott, Meshoppen, -----
4022	Miller's Acid Phosphate 16% -----	Walker Brothers, Chambersburg, -----
4690	Miller's Acid Phosphate 16% -----	Walker Brothers, Chambersburg, -----
3665	Miller's Acid Phosphate 20% -----	Ross Goodman, Huntingdon, -----
	MORTON FERTILIZER CO., BALTI-MORE, MD.	
2771	Morton's 16% Acid Phosphate, -----	Allen G. Blatt, Bernville, -----
4610	Morton's 16% Acid Phosphate, -----	Jerome Loose, Bern, -----
4239	Morton's 16% Acid Phosphate, -----	H. B. Low & Son, Orangeville, -----
4609	Morton's 20% Acid Phosphate, -----	Jerome Loose, Bern, -----
	NITRATE AGENCIES COMPANY, BALTI-MORE, MD.	
3622	Naco Brand 16% Acid Phosphate, -----	Beaver County Cooperative Association, Beaver, -----
3659	Naco Brand 16% Acid Phosphate, -----	Norman Black, Alexandra, -----
3944	Naco Brand 16% Acid Phosphate, -----	S. E. Moser, Salishury, -----
2682	Naco Brand 16% Acid Phosphate, -----	Win. Pfeilsticker, South Oil City, -----
	G. B. OBER SONS CO., BALTIMORE, MD.	
4070	Ober's High Grade Acid Phosphate, -----	Jerome Aueker, McAllisterville, -----
4127	Ober's High Grade Acid Phosphate, -----	J. H. Duttera, New Oxford, -----
3905	Ober's High Grade Acid Phosphate, -----	Louck's Hardware Co., Connellsville, -----
4887	Ober's High Grade Acid Phosphate, -----	Louck's Hardware Co., Connellsville, -----
4841	Ober's High Grade Acid Phosphate, -----	Louck's Hardware Co., Scottsdale, -----
4189	Ober's High Grade Acid Phosphate, -----	Clyde McCommons, Volant, -----
3643	Ober's High Grade Acid Phosphate, -----	S. J. Rhodes, Slippery Rock, -----
4639	Ober's High Grade Acid Phosphate, -----	Peter Shaffer & Sons, New Brighton, -----
	OYLER & SPANGLER FERTILIZER WORKS, INC., GETTYSBURG, PA.	
2973	O. & S. 16% Acid Phosphate, -----	J. F. Wineland, Curryville, -----
	PATUXENT GUANO COMPANY, BALTI-MORE, MD.	
2802	Patuxent High Grade Acid Phosphate, -----	F. M. Bitler, Danville, -----
4262	Patuxent High Grade Acid Phosphate, -----	Chas. A. B. Boner, Montgomery, -----
4699	Patuxent High Grade Acid Phosphate, -----	Chambersburg Grain Co., Chambersburg, -----
3395	Patuxent High Grade Acid Phosphate, -----	Dillsburg Grain & Milling Co., Dillsburg, -----
4369	Patuxent High Grade Acid Phosphate, -----	W. H. Snyder, Winfield, -----
	PENNSYLVANIA GUANO COMPANY, PHILADELPHIA, PA.	
4757	16% Acid Phosphate, -----	Mahlon W. Snyder, Hamburg, -----

PHOSPHATE FERTILIZERS—Continued.

PHOSPHORIC ACID.						Selling price per ton at place of selection.	Chemist's number.
Total.		Available.		Insoluble.			
Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
%	%	%	%	%	%	\$	
17.67	17.00	17.25	16.00	0.42	1.00	-----	3963
18.42	17.00	16.88	16.00	1.54	1.00	16.00	3021
19.01	16.50	18.77	16.00	0.24	0.50	16.65	2809
19.01	16.50	18.75	16.00	0.26	0.50	16.65	4326
18.28	16.50	17.38	16.00	0.90	0.50	17.00	2911
17.95	16.50	17.13	16.00	0.82	0.50	20.00	4305
17.86	16.50	16.94	16.00	0.92	0.50	16.20	2647
17.79	16.50	17.09	16.00	0.70	0.50	18.20	4228
17.73	16.50	16.77	16.00	0.96	0.50	18.00	3233
18.53	16.50	17.59	16.00	0.94	0.50	16.00	4022
18.11	16.50	17.37	16.00	0.74	0.50	-----	4690
20.37	20.00	*19.49	20.00	0.88	0.50	-----	3665
17.20	17.00	16.58	16.00	0.62	1.00	14.75	2771
18.24	17.00	16.38	16.00	1.86	1.00	14.70	4610
17.60	17.00	16.06	16.00	1.54	1.00	17.50	4239
21.52	20.50	21.08	20.00	0.44	0.50	18.70	4609
18.05	16.50	17.01	16.00	1.04	0.50	16.80	3622
18.11	16.50	17.15	16.00	0.96	0.50	15.92	3659
17.20	16.50	17.04	16.00	0.16	0.50	15.25	3944
18.19	16.50	17.49	16.00	0.70	0.50	17.10	2682
18.88	17.00	18.80	16.00	0.08	1.00	-----	4070
18.75	17.00	18.39	16.00	0.36	1.00	16.20	4127
18.22	17.00	17.90	16.00	0.32	1.00	22.00	3905
19.13	17.00	17.71	16.00	1.42	1.00	24.00	4887
19.08	17.00	18.02	16.00	1.06	1.00	22.00	4841
18.24	17.00	18.04	16.00	0.20	1.00	16.50	4189
17.13	17.00	16.85	16.00	0.28	1.00	19.00	3643
18.83	17.00	17.89	16.00	0.94	1.00	21.00	4639
17.36	16.50	16.90	16.00	0.46	0.50	17.15	2973
17.35	17.00	16.51	16.00	0.84	1.00	17.00	2802
17.16	17.00	16.12	16.00	1.04	1.00	20.00	4262
18.37	17.00	17.05	16.00	1.32	1.00	-----	4699
17.92	17.00	16.72	16.00	1.20	1.00	-----	3395
17.67	17.00	16.39	16.00	1.28	1.00	19.00	4369
18.90	17.00	16.98	16.00	1.92	1.00	-----	4757

*Deficient.

TABLE V—ACIDULATED

Chemist's number.	Name of Manufacturer and Brand.	Sample Taken From—
PIEDMONT MT. AIRY GUANO CO., BALTIMORE, MD.		
4199	Piedmont 16% Acid Phosphate, -----	John Ball, Riverside, -----
4697	Piedmont 16% Acid Phosphate, -----	Chambersburg Grain Co., Chambersburg, -----
2918	Piedmont 16% Acid Phosphate, -----	Farmers' Exchange, Everett, -----
4638	Piedmont 16% Acid Phosphate, -----	Greenville Coal & Ice Co., Greenville, -----
4383	Piedmont 16% Acid Phosphate, -----	Harry Kimmel, Shelocta, -----
2704	Piedmont 16% Acid Phosphate, -----	D. M. Long, Emlenton, -----
3855	Piedmont 16% Acid Phosphate, -----	H. B. Low & Son Orangeville, -----
3978	Piedmont 16% Acid Phosphate, -----	H. M. Mohler, Carrolltown, -----
2610	Piedmont 16% Acid Phosphate, -----	E. F. Peters, Wapwallopen, -----
2558	Piedmont 16% Acid Phosphate, -----	H. J. Phillippi, Ligonier, -----
4298	Piedmont 16% Acid Phosphate, -----	J. G. Simpson, Huntingdon, -----
2556	Piedmont 20% Acid Phosphate, -----	H. J. Phillippi, Ligonier, -----
4310	Piedmont 20% Acid Phosphate, -----	A. G. Smith, Mt. Union, -----
PITTSBURGH PROVISION & PACKING CO., PITTSBURGH, PA.		
3786	High Grade 16% Acid Phosphate, -----	Pittsburgh Provision & Packing Co., Pittsburgh, -----
RASIN-MONUMENTAL CO., SUBSIDIARY OF THE VIRGINIA-CAROLINA CHEMICAL CORPORATION, NEW YORK, N. Y.		
3296	Rasin's 16% Acid Phosphate, -----	W. W. Book, Port Royal, -----
4437	Rasin's 16% Acid Phosphate, -----	W. W. Book, Port Royal, -----
4601	Rasin's 16% Acid Phosphate, -----	Wm. B. Diehl, Lehighton, -----
3152	Rasin's 16% Acid Phosphate, -----	J. I. Dummire, Marion Center, -----
3549	Rasin's 16% Acid Phosphate, -----	Oxford Grain & Hay Co., Oxford, -----
3633	Rasin's 16% Acid Phosphate, -----	J. S. Riley, New Castle, -----
3297	Rasin's 20% Acid Phosphate, -----	W. W. Book, Port Royal, -----
4435	Rasin's 20% Acid Phosphate, -----	W. W. Book, Port Royal, -----
READING BONE FERTILIZER CO., READING, PA.		
3789	16% Clear Acid Phosphate, -----	Campbell Feed Co., Oakdale, -----
2904	16% Clear Acid Phosphate, -----	C. A. Claybaugh, Everett, -----
4736	16% Clear Acid Phosphate, -----	Goss Brothers, Alexandria, -----
2545	16% Clear Acid Phosphate, -----	S. C. Kriebel, West Point, -----
3046	16% Clear Acid Phosphate, -----	John P. Reed, Clarion, -----
4776	16% Clear Acid Phosphate, -----	Wm. Willetts, Calcium, -----
ROBERT A. REICHARD, INC., ALLENTOWN, PA.		
4577	Reichard's Famous 16% Acid Phosphate, -----	E. A. Beck, Lehighton, -----
3039	Reichard's Famous 16% Acid Phosphate, -----	Robert F. Beer, Palmerton, -----
F. S. ROYSTER GUANO CO., BALTIMORE, MD.		
4258	Royster's 16% Acid Phosphate, -----	W. C. Follmer, Benton, -----
2699	Royster's 16% Acid Phosphate, -----	Franklin Feed & Supply Co., Franklin, -----
3513	Royster's 16% Acid Phosphate, -----	Jefferson Grain & Feed Co., Jefferson, -----
4875	Royster's 16% Acid Phosphate, -----	Jefferson Grain & Feed Co., Jefferson, -----
2550	Royster's 16% Acid Phosphate, -----	Evan H. McBroom, Derry, -----
4928	Royster's 16% Acid Phosphate, -----	R. C. McGee, Roaring Springs, -----
3086	Royster's 16% Acid Phosphate, -----	R. C. Meek Estate, Allenwood, -----
2535	Royster's 16% Acid Phosphate, -----	H. A. Mendenhall, Toughkenamon, -----
4972	Royster's 16% Acid Phosphate, -----	H. A. Mendenhall, Toughkenamon, -----
4911	Royster's 16% Acid Phosphate, -----	Option Feed Co., Mt. Oliver, -----
3512	Royster's 20% Acid Phosphate, -----	Jefferson Grain & Feed Co., Jefferson, -----
4454	Royster's 20% Acid Phosphate, -----	Loesch Consumers Supply Co., Jersey Shore, -----
3153	Royster's 20% Acid Phosphate, -----	H. M. Shearer, New Alexandria, -----
2791	Royster's 20% Acid Phosphate, -----	Bert. Whitaker, Bowmanstown, -----

PHOSPHATE FERTILIZERS—Continued.

PHOSPHORIC ACID.						Selling price per ton at place of selection.	Chemist's number.
Total.		Available.		Insoluble.			
Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
%	%	%	%	%	%	\$	
17.12	17.00	16.26	16.00	0.86	1.00	-----	4199
17.39	17.00	16.65	16.00	0.74	1.00	-----	4697
18.00	17.00	17.06	16.00	0.94	1.00	17.00	2918
16.89	17.00	16.19	16.00	0.70	1.00	22.00	4633
17.22	17.00	16.52	16.00	0.70	1.00	17.00	4383
18.16	17.00	17.28	16.00	0.88	1.00	16.00	2704
18.01	17.00	17.27	16.00	0.74	1.00	16.00	3855
17.97	17.00	17.31	16.00	0.66	1.00	16.75	3978
17.22	17.00	16.36	16.00	0.86	1.00	-----	2610
17.18	16.50	16.14	16.00	1.04	0.50	20.00	2558
17.36	17.00	16.60	16.00	0.76	1.00	19.00	4298
21.51	21.00	21.29	20.00	0.22	1.00	23.00	2556
22.13	21.00	21.39	20.00	0.74	1.00	23.30	4310
18.96	17.00	17.74	16.00	1.22	1.00	21.00	3786
17.96	17.00	17.02	16.00	0.94	1.00	-----	3296
18.52	17.00	17.70	16.00	0.82	1.00	18.50	4437
18.55	17.00	17.75	16.00	0.80	1.00	-----	4601
18.11	17.00	17.31	16.00	0.80	1.00	16.50	3152
18.38	17.00	17.50	16.00	0.83	1.00	15.00	3549
17.86	17.00	17.20	16.00	0.66	1.00	18.00	3633
21.05	21.00	20.43	20.00	0.62	1.00	-----	3297
21.57	21.00	20.63	20.00	0.94	1.00	22.00	4435
17.46	17.00	16.40	16.00	1.06	1.00	19.00	3789
17.35	17.00	16.49	16.00	0.86	1.00	18.00	2904
17.95	17.00	16.73	16.00	1.22	1.00	21.00	4736
16.71	17.00	15.89	16.00	0.82	1.00	19.00	2545
16.76	17.00	16.00	16.00	0.76	1.00	18.40	3046
18.33	17.00	17.27	16.00	1.06	1.00	20.00	4776
17.45	17.00	16.85	16.00	0.60	1.00	-----	4577
16.74	17.00	16.66	16.00	0.08	1.00	-----	3039
16.76	16.50	16.00	16.00	0.76	0.50	17.00	4258
16.80	16.50	16.72	16.00	0.08	0.50	17.00	2699
18.24	16.50	17.76	16.00	0.48	0.50	19.00	3513
17.35	16.50	16.87	16.00	0.48	0.50	21.00	4875
16.48	16.50	16.18	16.00	0.30	0.50	21.00	2550
18.33	16.50	17.61	16.00	0.72	0.50	20.50	4928
16.90	16.50	16.42	16.00	0.48	0.50	-----	3086
17.93	16.50	17.81	16.00	0.12	0.50	16.00	2535
17.42	16.50	16.84	16.00	0.58	0.50	18.00	4972
18.00	16.50	17.26	16.00	0.74	0.50	20.40	4911
22.26	20.50	22.14	20.00	0.12	0.50	23.00	3512
21.69	20.50	21.17	20.00	0.52	0.50	24.00	4454
20.82	20.50	20.74	20.00	0.08	0.50	21.00	3153
20.86	20.50	20.76	20.00	0.10	0.50	22.00	2791

TABLE V—ACIDULATED

Chemist's number.	Name of Manufacturer and Brand.	Sample Taken From—
	SHIPPENSBURG FERTILIZER WORKS, SHIPPENSBURG, PA.	
4678	Old Reliable Acid Phosphate, -----	Shippensburg Fertilizer Works, Shippensburg, -----
	CHAS. R. SHOEMAKER, INC., PHILADELPHIA, PA.	
3196	C. R. Shoemaker's Brand 16% Acid Phosphate, -----	Chas. R. Shoemaker, Inc., Philadelphia, -----
	STANDARD CHEMICAL WORKS, INC. READING, PA.	
4316	Standard Reading Clear Acid Phosphate, -----	Belleville Flour Mills, Belleville, -----
4120	Standard Reading Clear Acid Phosphate, -----	Gibbs Milling Co., Nanticoke, -----
4710	Standard Reading Clear Acid Phosphate, -----	Gibbs Milling Co., Nanticoke, -----
3141	Standard Reading Clear Acid Phosphate, -----	S. T. Kanarr, Indiana, -----
4821	Standard Reading Clear Acid Phosphate, -----	S. T. Kanarr, Indiana, -----
3122	Standard Reading Clear Acid Phosphate, -----	Mead & Bannister, North East, -----
2753	Standard Reading Clear Acid Phosphate, -----	C. L. Webster, Kelton, -----
4504	Standard 20% Acid Phosphate, -----	Mark Stitt, Spruce Hill, -----
	SUMMERS FERTILIZER CO., BALTIMORE, MD.	
3873	Summer's Best on Earth 16% Acid Phosphate, -----	L. A. Carlson, Warren, -----
	SWACKS FERTILIZER WORKS, DUBOIS, PA.	
4960	Swack's Acid Phosphate 16%, -----	P. J. Oesterling & Son, Butler, -----
3052	Swack's Acid Phosphate 16%, -----	Reynoldsville Hardware Co., Reynoldsville, -----
4648	Swack's Acid Phosphate 20%, -----	L. A. Yeackley, Patton, -----
	SWIFT & COMPANY, BALTIMORE, MD.	
4461	Swift's High Grade Acid Phosphate Fertilizer 16%, -----	Elwin Allen, Canton, -----
3090	Swift's High Grade Acid Phosphate Fertilizer 16%, -----	G. H. Dippe, Stillwater, -----
4393	Swift's High Grade Acid Phosphate Fertilizer 16%, -----	Export Milling Co., Export, -----
4257	Swift's High Grade Acid Phosphate Fertilizer 16%, -----	W. C. Follmer, Benton, -----
4740	Swift's High Grade Acid Phosphate Fertilizer 16%, -----	H. A. Grubb, State College, -----
2790	Swift's High Grade Acid Phosphate Fertilizer 16%, -----	George A. Kline, Bernville, -----
2741	Swift's High Grade Acid Phosphate Fertilizer 16%, -----	Harry T. McDevitt, Mendenhall, -----
4978	Swift's High Grade Acid Phosphate Fertilizer 16%, -----	Harry T. McDevitt, Mendenhall, -----
2620	Swift's High Grade Acid Phosphate Fertilizer 16%, -----	E. B. Vosler, S. R. McMichael, Hunkles Creek, -----
2713	Swift's Red Steer 16% Acid Phosphate, -----	Acme Milling Co., Cochranton, -----
4880	Swift's Red Steer 16% Acid Phosphate, -----	Donora Flour & Feed Co., Donora, -----
4950	Swift's Red Steer 16% Acid Phosphate, -----	H. F. Gelbach, Evans City, -----
2702	Swift's Red Steer 16% Acid Phosphate, -----	J. H. Lavery's Sons Co., Inc., Franklin
2711	Swift's Red Steer 20% Acid Phosphate, -----	Acme Milling Co., Cochranton, -----
4882	Swift's Red Steer 20% Acid Phosphate, -----	Donora Flour & Feed Co., Donora, -----
3332	Swift's Red Steer 20% Acid Phosphate, -----	Farmers Cooperative Mercantile Co., Skimmers Eddy, -----
3612	Swift's Red Steer 20% Acid Phosphate, -----	H. J. Klinger, Butler, -----
3493	Swift's Red Steer 20% Acid Phosphate, -----	Western Flour Co., Charleroi, -----
	I. P. THOMAS & SON COMPANY, PHILADELPHIA, PA.	
2944	16% Acid Phosphate, -----	Preston Eves & Son, Millville, -----

PHOSPHATE FERTILIZERS—Continued.

PHOSPHORIC ACID.						Selling price per ton at place of selection.	Chemist's number.
Total.		Available.		Insoluble.			
Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
%	%	%	%	%	%	\$	
18.21	16.50	*15.06	16.00	3.15	0.50	-----	4678
17.39	16.50	16.43	16.00	0.96	0.50	12.00	3196
18.20	17.00	17.32	16.00	0.88	1.00	18.00	4316
17.48	17.00	16.56	16.00	0.92	1.00	20.00	4120
17.57	17.00	16.63	16.00	0.94	1.00	20.00	4710
17.26	17.00	16.40	16.00	0.86	1.00	16.50	3141
18.75	17.00	17.93	16.00	0.82	1.00	18.25	4821
16.46	17.00	16.18	16.00	0.28	1.00	17.00	3122
17.09	17.00	16.51	16.00	0.58	1.00	14.50	2753
21.14	21.00	20.30	20.00	0.84	1.00	20.00	4504
17.32	16.50	17.06	16.00	0.26	0.50	20.00	3873
19.71	16.50	18.23	16.00	1.48	0.50	19.50	4960
18.41	16.50	17.39	16.00	1.02	0.50	19.00	3052
22.07	20.50	21.41	20.00	0.66	0.50	22.00	4648
17.82	16.00	16.96	16.00	0.86	-----	20.00	4461
17.44	16.00	16.68	16.00	0.76	-----	15.50	3090
17.62	16.00	16.96	16.00	0.66	-----	19.90	4393
17.39	16.00	17.01	16.00	0.38	-----	17.00	4257
18.53	16.00	17.97	16.00	0.56	-----	18.50	4740
17.41	16.00	17.03	16.00	0.38	-----	16.00	2799
16.89	16.00	16.55	16.00	0.34	-----	15.00	2741
18.02	16.00	17.56	16.00	0.46	-----	18.00	4978
16.38	16.00	16.04	16.00	0.34	-----	15.50	2620
17.99	16.00	17.83	16.00	0.16	-----	17.40	2713
17.54	16.00	17.00	16.00	0.54	-----	22.90	4880
17.99	16.00	17.49	16.00	0.50	-----	21.00	4950
17.41	16.00	17.23	16.00	0.18	-----	20.00	2702
20.47	20.00	20.07	20.00	0.40	-----	20.90	2711
21.89	20.00	21.31	20.00	0.58	-----	26.75	4882
20.79	20.00	20.37	20.00	0.42	-----	21.00	3232
21.10	20.00	20.56	20.00	0.54	-----	23.00	3612
20.97	20.00	20.05	20.00	0.92	-----	24.00	3493
18.70	17.00	17.18	16.00	1.52	1.00	16.90	2944

*Deficient.

TABLE V—ACIDULATED

Chemist's number.	Name of Manufacturer and Brand.	Sample Taken From—
3570	16% Acid Phosphate, -----	S. N. Hill & Son, Markham, -----
4205	16% Acid Phosphate, -----	W. Bert Kase, Danville, -----
3470	16% Acid Phosphate, -----	E. E. Schmiedel, Ridgway, -----
4444	20% Acid Phosphate, -----	D. H. Price, Hughesville, -----
3471	20% Acid Phosphate, -----	E. E. Schmiedel, Ridgway, -----
	F. W. TUNNELL & CO., INC., PHILADELPHIA, PA.	
3742	16% Acid Phosphate, -----	Jackson & Hartman, Hop Bottom, -----
	UNITED STATES GUANO COMPANY, BALTIMORE, MD.	
2947	Standard United States 16% Acid Phosphate, -----	Charles E. Brobst, Bloomsburg, -----
4245	Standard United States 16% Acid Phosphate, -----	Neil S. Harrison, Forks, -----
4722	Standard United States 16% Acid Phosphate, -----	Luzerne County Cooperative Association, Wilkes-Barre, -----
4958	Standard United States 16% Acid Phosphate, -----	Midland Milling & Supply Co., Midland, -----
4957	Standard United States 20% Acid Phosphate, -----	Midland Milling & Supply Co., Midland, -----
	VIRGINIA-CAROLINA CHEMICAL CORPORATION, NEW YORK, N. Y.	
3629	V-C 16% Acid Phosphate, -----	Bickerstaff & Todd, New Sheffield, -----
4641	V-C 16% Acid Phosphate, -----	Bickerstaff & Todd, New Sheffield, -----
4730	V-C 16% Acid Phosphate, -----	Norman Black, Alexandria, -----
4806	V-C 16% Acid Phosphate, -----	E. H. Hays, Clintondale, -----
2725	V-C 16% Acid Phosphate, -----	H. C. Hutchinson, Hydetown, -----
4854	V-C 16% Acid Phosphate, -----	McCament Brothers Hardware, Knox, -----
4036	V-C 16% Acid Phosphate, -----	Omwake Brothers, Greencastle, -----
2649	V-C 16% Acid Phosphate, -----	J. M. Pattisan, Blairs Mills, -----
3054	V-C 16% Acid Phosphate, -----	Reynoldsville Hardware Co. Reynoldsville
3755	V-C 16% Acid Phosphate, -----	Glenn E. Tingley, New Milford, -----
3630	V-C 20% Acid Phosphate, -----	Bickerstaff & Todd, New Sheffield, -----
4731	V-C 20% Acid Phosphate, -----	Norman Black, Alexandria, -----
3722	V-C 20% Acid Phosphate, -----	Emporium Supply Co., Emporium, -----
2884	V-C 20% Acid Phosphate, -----	E. J. Hite, Hollidaysburg, -----
4853	V-C 20% Acid Phosphate, -----	McCament Brothers Hardware, Knox, -----
4104	V-C 20% Acid Phosphate, -----	Murray Co., Honesdale, -----
	YORK CHEMICAL WORKS, YORK, PA.	
3559	Acid Phosphate 16% -----	Fisher & Nolan, West Chester, -----
3714	Acid Phosphate 16% -----	C. E. Frazier, Mill Hall, -----
4188	Acid Phosphate 16% -----	John McConnel, Slippery Rock, -----
5014	Acid Phosphate 16% -----	Red Lion Farmers Exchange, Red Lion, -----
4147	Acid Phosphate 16% -----	Red Lion Supply Co., Red Lion, -----
2735	Acid Phosphate 16% -----	Union City Cooperative Association, Union City, -----
4185	Acid Phosphate 20% -----	Meade Black, Waterfall, -----
3713	Acid Phosphate 20% -----	C. E. Frazier, Mill Hall, -----
4805	Acid Phosphate 20% -----	C. E. Frazier, Mill Hall, -----
	LIME PHOSPHATES	Average, -----
	THE AMERICAN AGRICULTURAL CHEMICAL CO., NEW YORK, N. Y.	
2674	Basic Lime Phosphate, -----	J. C. Dunbar, Williamsport, -----
4418	Basic Lime Phosphate, -----	Ewing & Kinsloe, Newton Hamilton, -----
2920	Basic Lime Phosphate, -----	Gump & Sons, Everett, -----
4225	Basic Lime Phosphate, -----	George B. Sterner, Dewart, -----
4130	Basic Lime Phosphate, -----	W. H. Stock, New Oxford, -----
3331	Basic Lime Phosphate, -----	Chas. Tressler, Conyngham, -----

PHOSPHATE FERTILIZERS—Continued.

PHOSPHORIC ACID.						Selling price per ton at place of selection.	Chemist's number.
Total.		Available.		Insoluble.			
Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
%	%	%	%	%	%	\$	
19.15	17.00	17.41	16.00	1.74	1.00	16.00	3570
18.78	17.00	17.08	16.00	1.70	1.00	18.10	4205
19.57	17.00	18.09	16.00	1.48	1.00	16.76	2470
23.76	21.00	22.16	20.00	1.60	1.00	22.30	4444
23.63	21.00	22.27	20.00	1.36	1.00	20.80	5471
18.43	17.00	17.23	16.00	1.20	1.00	18.00	3742
17.57	16.50	16.95	16.00	0.62	0.50	12.20	2947
17.73	16.50	16.67	16.00	1.06	0.50	17.00	4245
18.48	16.50	17.84	16.00	0.64	0.50	16.50	4722
18.70	16.50	18.04	16.00	0.66	0.50	20.00	4958
23.13	20.50	21.83	20.00	0.30	0.50	23.25	4957
18.06	17.00	17.24	16.00	0.82	1.00	18.50	3629
19.01	17.00	18.23	16.00	0.78	1.00	22.00	4641
18.92	17.00	18.24	16.00	0.68	1.00	18.90	4730
18.56	17.00	17.76	16.00	0.80	1.00	18.50	4806
17.74	17.00	16.84	16.00	0.90	1.00	16.25	2725
17.39	17.00	17.09	16.00	0.30	1.00	18.50	4854
17.40	17.00	17.30	16.00	0.10	1.00	-----	4030
17.96	17.00	17.64	16.00	0.32	1.00	17.50	3649
17.86	17.00	16.96	16.00	0.90	1.00	19.50	3054
19.20	17.00	18.10	16.00	1.10	1.00	-----	3755
20.92	21.00	20.28	20.00	0.64	1.00	23.50	3630
22.53	21.00	21.95	20.00	0.58	1.00	22.15	4731
21.94	21.00	21.46	20.00	0.48	1.00	26.00	3722
21.80	21.00	21.26	20.00	0.54	1.00	21.50	2884
21.17	21.00	20.43	20.00	0.74	1.00	23.50	4853
22.90	21.00	21.98	20.00	0.92	1.00	21.00	4104
18.18	16.00	17.32	16.00	0.86	-----	19.00	3559
18.32	16.00	17.70	16.00	0.62	-----	16.50	3714
17.32	16.00	17.00	16.00	0.32	-----	18.25	4188
19.61	16.00	19.19	16.00	0.42	-----	-----	5014
17.73	16.00	17.57	16.00	0.16	-----	15.00	4147
19.17	16.00	18.81	16.00	0.36	-----	16.00	2735
22.49	20.00	21.73	20.00	0.76	-----	21.50	4185
23.01	20.00	22.41	20.00	0.60	-----	20.00	3713
21.34	20.00	21.14	20.00	0.20	-----	21.50	4805
18.65	-----	17.93	-----	0.72	-----	19.05	-----
15.74	13.50	13.82	13.00	1.92	0.50	15.55	2674
16.17	13.50	13.43	13.00	2.74	0.50	20.64	4418
16.07	13.50	13.33	13.00	2.74	0.50	18.00	2920
16.37	13.50	13.17	13.00	3.20	0.50	16.25	4225
15.11	13.50	*11.49	13.00	3.62	0.50	15.00	4130
18.69	13.50	14.47	13.00	4.22	0.50	16.50	3331

*Deficient.

TABLE V—ACIDULATED

Chemist's number	Name of Manufacturer and Brand		Sample Taken From—	
2910	Lister's Lime Phosphate, -----		J. E. Jackson, Everett, -----	
3372	Lister's Lime Phosphate, -----		A. B. Lauver, Middleburg, -----	
	ARMOUR FERTILIZER WORKS, BALTIMORE, MD.			
3868	Armour's Lime Phosphate Fertilizer, -----		Pete Teeonchuk, Pittsfield, -----	
	BAUGH & SONS COMPANY, PHILADELPHIA, PA.			
4413	Baugh's Lime and Phosphate, -----		P. J. Briggs, Mt. Union, -----	
4604	Baugh's Lime and Phosphate, -----		D. W. Faust & Sons, Chambersburg, --	
4679	Baugh's Lime and Phosphate, -----		D. W. Faust & Sons, Chambersburg, --	
3481	Baugh's Lime and Phosphate, -----		Routch & Swartzle Co., Clearfield, ---	
4540	Baugh's Lime and Phosphate, -----		Routch & Swartzle Co., Clearfield, ---	
	CARLISLE FERTILIZER WORKS, INC., CARLISLE, PA.			
4293	Carlisle 13% Lime Phosphate, -----		Carlisle Fertilizer Works, Inc., Carlisle,	
	CENTRAL CHEMICAL COMPANY, HAGERSTOWN, MD.			
4498	Gro-All Carbo Lime Phosphate 13%, -----		R. K. Yoder, Belleville, -----	
	GRIFFITH & BOYD CO., BALTIMORE, MD.			
4274	Griffith & Boyd Co.'s Lime and Phosphate, --		J. S. Artley, Muney, -----	
3307	Griffith & Boyd Co.'s Lime and Phosphate, --		J. W. Hostetler, Walnut, -----	
	THE HUBBARD FERTILIZER CO., BALTIMORE, MD.			
3133	Hubbard's Lime and Phosphate 13%, -----		H. M. Brown, Indiana, -----	
3254	Hubbard's Lime and Phosphate 13%, -----		D. L. Hertzler, Mechanicsburg, -----	
3268	Hubbard's Lime and Phosphate 13%, -----		Reed McNitt, Milroy, -----	
	THE MILLER FERTILIZER CO., BALTIMORE, MD.			
3658	Miller's Lime and Phosphate 13%, -----		H. C. Glass, East Waterford, -----	
4227	Miller's Lime and Phosphate 13%, -----		H. J. Lindner & Son, Pottsgrove, -----	
4501	Miller's Lime and Phosphate 13%, -----		Milroy Grain & Supply Co., Milroy, ---	
	PATUXENT GUANO COMPANY, BALTIMORE, MD.			
4371	Patuxent Lime Phosphate, -----		W. H. Snyder, Winfield, -----	
	PIEDMONT MT. AIRY GUANO CO., BALTIMORE, MD.			
2923	Piedmont Phosphate and Lime, -----		Farmer's Exchange, Everett, -----	
	RASIN-MONUMENTAL COMPANY, SUBSID- IARY OF THE VIRGINIA-CAROLINA CHEMI- CAL CORPORATION, NEW YORK, N. Y.			
3705	Rasin's Phospho Tobacco, -----		S. A. Book, Quarryville, -----	
3299	Rasin's Phospho Tobacco, -----		W. W. Book, Port Royal, -----	
3457	Rasin's Phospho Tobacco, -----		Stanton H. Donkel, Myerstown, -----	
	STANDARD CHEMICAL WORKS, INC., READING, PA.			
4313	Standard Phospho Proeessed Lime, -----		Belleville Flour Mills, Belleville, -----	
	SWIFT & COMPANY, BALTIMORE, MD.			
2891	Swift's 13% Acid Phosphate Fertilizer, -----		Deal Brothers Milling Co., Bedford, ---	

PHOSPHATE FERTILIZERS—Continued.

PHOSPHORIC ACID.						Selling price per ton at place of selection.	Chemist's number.
Total.		Available.		Insoluble.			
Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
%	%	%	%	%	%	\$	
14.73	13.50	*12.65	13.00	2.08	0.50	17.00	2910
15.89	13.50	13.09	13.00	2.80	0.50	-----	3372
14.91	13.50	*10.36	13.00	4.55	0.50	17.90	3868
16.20	13.00	13.88	13.00	2.32	-----	20.00	4413
15.69	13.00	13.27	13.00	2.42	-----	-----	4004
16.43	13.00	13.93	13.00	2.50	-----	-----	4679
15.52	13.00	13.42	13.00	2.10	-----	19.95	3481
15.54	13.00	13.22	13.00	2.32	-----	22.50	4540
13.26	13.50	*9.95	13.00	3.31	0.50	-----	4293
17.86	14.00	16.68	13.00	1.18	1.00	-----	4498
14.96	14.00	13.64	13.00	1.32	1.00	18.00	4274
14.78	14.00	*11.81	13.00	2.97	1.00	-----	3307
14.30	13.50	13.68	13.00	0.62	0.50	19.00	3133
14.29	13.50	13.71	13.00	0.58	0.50	16.50	3254
15.17	13.50	*10.39	13.00	4.78	0.50	-----	3268
14.32	13.50	13.22	13.00	1.10	0.50	18.00	3658
14.54	13.50	13.54	13.00	1.00	0.50	18.20	4227
14.94	13.50	14.42	13.00	0.52	0.50	18.00	4501
18.01	14.00	16.69	13.00	1.32	1.00	19.00	4371
14.17	14.00	13.13	13.00	1.04	1.00	18.00	2023
13.96	14.00	13.54	13.00	0.42	1.00	-----	3705
14.16	14.00	13.56	13.00	0.69	1.00	-----	3270
13.98	14.00	13.50	13.00	0.48	1.00	22.00	3457
18.37	15.00	17.47	14.00	0.90	1.00	18.00	4313
13.71	13.00	13.51	13.00	0.20	-----	18.00	2891

*Deficient.

TABLE V—ACIDULATED

Chemist's number	Name of Manufacturer and Brand	Sample Taken From—
3651 3954 3652	VIRGINIA-CAROLINA CHEMICAL CORPORATION, NEW YORK, N. Y. V-C Phosphate and Lime Mixture, ----- V-C Phospho Tobacco, ----- V-C Phospho Tobacco, -----	J. M. Pattisan, Blairs Mills, ----- H. C. Berrits Sons, Somerset, ----- J. M. Pattisan, Blairs Mills, -----
3694 4792	WASHINGTON, ALEXANDER & COOKE CO., AFFILIATED WITH VIRGINIA-CAROLINA CHEMICAL CORPORATION, CHARLES- TOWN, W. VA. Wacco Lime Phosphate Mixture, ----- Wacco Lime Phosphate Mixture, -----	Quarryville Farmer's Association, Quarry- ville, ----- Quarryville Farmer's Association, Quarry- ville, ----- Average, -----

PHOSPHATE FERTILIZERS—Concluded.

PHOSPHORIC ACID.						Selling price per ton at place of selection.	Chemist's number.
Total.		Available.		Insoluble.			
Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
%	%	%	%	%	%	\$	
15.46	14.00	*12.52	13.00	2.94	1.00	18.50	3651
14.03	14.00	13.55	13.00	0.48	1.00	20.00	3954
14.44	14.00	13.42	13.00	1.02	1.00	18.50	3652
13.27	14.00	*11.59	13.00	1.68	1.00	17.00	3694
15.23	14.00	14.35	13.00	0.88	1.00	-----	4792
15.28	-----	13.37	-----	1.91	-----	18.31	-----

* Deficient.

TABLE VI—ROCK AND
Furnishing Phosphoric

Chemist's number	Name of Manufacturer and Brand.		Sample Taken From—	
	THE AMERICAN AGRICULTURAL CHEMICAL CO., NEW YORK, N. Y.			
2877	Bowker's Boss Mixture,	-----	John S. Fleek, Tyrone,	-----
3108	Bowker's Boss Mixture,	-----	L. A. Glessman, Conneautville,	-----
4365	Bowker's Boss Mixture,	-----	S. S. McCollough, Burnside,	-----
4430	Bowker's Boss Mixture,	-----	J. M. Musser, Mifflintown,	-----
3817	Bowker's Boss Mixture,	-----	Chas. Smith, Center Hall,	-----
2670	E. Frank Coe's Prize Mixture,	-----	J. C. Dunbar, Williamsport,	-----
3026	E. Frank Coe's Prize Mixture,	-----	Jacob Epting, Shoemakersville,	-----
2588	E. Frank Coe's Prize Mixture,	-----	Geo. A. Konkle, Montoursville,	-----
3461	Lister's Atlas Mixture,	-----	Mark Hoffman, New Tripoli,	-----
3074	Lister's Atlas Mixture,	-----	Mifflinburg Milling Company, Mifflin- burg,	-----
3802	Lister's Atlas Mixture,	-----	Roy Peterson, Franklinville,	-----
4134	Lister's Atlas Mixture,	-----	W. H. Stoeck, New Oxford,	-----
4524	Lister's Atlas Mixture,	-----	R. K. Yoder, Belleville,	-----
4363	Patapsco Apex Mixture,	-----	J. P. Walters, Vieksburg,	-----
3027	Three Star Mixture,	-----	Jacob Epting, Shoemakersville,	-----
2748	Three Star Mixture,	-----	J. L. Pennoek & Co., Avondale,	-----
4214	Three Star Mixture,	-----	W. S. Sidler, Danville,	-----
4658	Three Star Mixture,	-----	F. P. Waite, Tyrone,	-----
2601	Victory Mixture,	-----	J. B. Anderson Sons, Shickshinny,	-----
2628	Victory Mixture,	-----	J. R. Iddings, Mifflinburg,	-----
4636	Victory Mixture,	-----	J. H. McWhirter, Mercer,	-----
4196	Victory Mixture,	-----	Minner-Lamb, New Wilmington,	-----
3285	Victory Mixture,	-----	J. M. Musser, Mifflintown,	-----
4031	Victory Mixture,	-----	Rossmoyne Flouring Mills, Smicksburg,	-----
4425	Victory Mixture,	-----	C. W. Sausman, Thompsontown,	-----
2744	Victory Mixture,	-----	Sheehan Brothers, Landenburg,	-----
4217	Victory Mixture,	-----	W. S. Sidler, Danville,	-----
2866	Victory Mixture,	-----	F. P. Waite, Tyrone,	-----
4660	Victory Mixture,	-----	F. P. Waite, Tyrone,	-----
3653	XXX Mixture,	-----	H. C. Beerits' Sons, Somerset,	-----
2856	XXX Mixture,	-----	Fryberg Roller Mills, Fryberg,	-----
3544	XXX Mixture,	-----	Rossmoyne Flouring Mills, Smicksburg,	-----
4223	XXX Mixture,	-----	Geo. B. Sterner, Dewart,	-----
3828	XXX Mixture,	-----	Wolfe & Huffman, Watsontown,	-----
	ARMOUR FERTILIZER WORKS, BALTIMORE, MD.			
2985	Armour's Big Crop Fertilizers 0-10-4,	-----	L. P. Swope & Co., Duncansville,	-----
4652	Armour's Big Crop Fertilizers 0-10-4,	-----	L. P. Swope & Co., Duncansville,	-----
3942	Armour's Big Crop Fertilizers 0-10-10,	-----	S. E. Broadwater & Son, Salisbury,	-----
3537	Armour's Big Crop Fertilizers 0-10-10,	-----	New Florence Flouring Mills, New Flor- ence,	-----
3754	Armour's Big Crop Fertilizers 0-10-10,	-----	Glenn E. Tingley, New Milford,	-----
4087	Armour's Big Crop Fertilizers 0-10-10,	-----	West Manheim Farmers Association, Hanover,	-----
2663	Armour's Big Crop Fertilizers 0-12-5,	-----	D. Luther Bogenrief, Mifflinburg,	-----
2615	Armour's Big Crop Fertilizers 0-12-5,	-----	Moore & Moore, Portersville,	-----
2854	Armour's Big Crop Fertilizers 0-12-5,	-----	M. J. Schill Co., Marble,	-----
2872	Armour's Big Crop Fertilizers 0-12-5,	-----	Levi Stautnour, Roaring Springs,	-----
4084	Armour's Big Crop Fertilizers 0-12-5,	-----	West Manheim Farmers Association, Hanover,	-----
	BALTIMORE FERTILIZER CO., BALTIMORE, MD.			
4012	Honest 12-5,	-----	Chambersburg Fertilizer Works, Cham- bersburg,	-----
	BAUGH & SONS COMPANY, BALTIMORE, MD.			
3320	Baugh's 10 and 4 Phosphate and Potash Mixture,	-----	J. R. Harper, Shade Gap,	-----

POTASH FERTILIZERS.

Acid and Potash.

PHOSPHORIC ACID						POTASH				Selling price per ton at place of selection.	Chemist's number
Total.		Available.		Insoluble		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	\$	
13.06	12.50	12.52	12.00	0.54	0.50	5.06	5.00	5.06	-----	25.00	2877
12.76	12.50	11.94	12.00	0.82	0.50	5.16	5.00	5.16	-----	28.75	3108
13.53	12.50	12.65	12.00	0.88	0.50	*4.66	5.00	4.66	-----	28.25	4865
12.76	12.50	12.12	12.00	0.64	0.50	4.95	5.00	3.60	1.35	24.00	4430
12.81	12.50	12.33	12.00	0.48	0.50	5.01	5.00	5.01	-----	-----	3817
10.65	10.50	10.17	10.00	0.48	0.50	*9.69	10.00	9.69	-----	28.90	2670
11.00	10.50	10.40	10.00	0.60	0.50	*8.27	10.00	8.27	-----	18.00	3026
10.59	10.50	10.03	10.00	0.56	0.50	10.00	10.00	10.00	-----	30.00	2558
13.37	12.50	12.07	12.00	1.30	0.50	5.24	5.00	5.24	-----	25.50	3451
13.04	12.50	12.36	12.00	0.68	0.50	5.45	5.00	5.45	-----	23.50	3074
12.91	12.50	12.45	12.00	0.46	0.50	5.34	5.00	5.34	-----	-----	3802
13.01	12.50	12.37	12.00	0.64	0.50	5.00	5.00	5.00	-----	23.00	4124
13.53	12.50	12.15	12.00	1.38	0.50	4.92	5.00	3.60	1.32	26.00	4521
13.53	12.50	12.61	12.00	0.92	0.50	5.04	5.00	3.10	1.94	25.00	4363
10.91	10.50	10.45	10.00	0.46	0.50	4.07	4.00	4.07	-----	18.00	3027
11.05	10.50	10.57	10.00	0.48	0.50	4.30	4.00	3.50	0.80	-----	2748
11.35	10.50	10.49	10.00	0.86	0.50	*2.65	4.00	1.80	1.85	21.55	4214
11.30	10.50	10.26	10.00	1.04	0.50	3.98	4.00	3.98	-----	23.50	4658
13.78	12.50	12.36	12.00	1.42	0.50	5.47	5.00	5.47	-----	25.00	2601
13.28	12.50	12.62	12.00	0.66	0.50	5.37	5.00	5.37	-----	23.25	2623
13.15	12.50	12.57	12.00	0.58	0.50	5.00	5.00	3.70	1.30	30.00	4636
13.11	12.50	12.31	12.00	0.80	0.50	5.53	5.00	5.53	-----	28.75	4196
12.85	12.50	12.21	12.00	0.64	0.50	5.40	5.00	5.40	-----	22.00	3285
12.65	12.50	12.05	12.00	0.60	0.50	5.85	5.00	5.85	-----	24.00	4031
13.04	12.50	12.46	12.00	0.58	0.50	4.81	5.00	4.60	0.21	24.00	4425
13.05	12.50	12.63	12.00	0.42	0.50	5.15	5.00	5.15	-----	24.00	2744
13.42	12.50	12.40	12.00	1.02	0.50	4.89	5.00	4.40	0.49	24.05	4217
12.55	12.50	12.23	12.00	0.32	0.50	5.18	5.00	5.18	-----	25.00	2866
13.57	12.50	12.67	12.00	0.90	0.50	5.58	5.00	4.50	1.08	26.00	4660
10.89	10.50	10.25	10.00	0.64	0.50	10.26	10.00	10.26	-----	27.00	3953
10.74	10.50	10.42	10.00	0.32	0.50	9.95	10.00	9.95	-----	29.20	2856
10.47	10.50	9.93	10.00	0.54	0.50	10.18	10.00	10.18	-----	27.00	3544
11.12	10.50	10.68	10.00	0.44	0.50	10.35	10.00	10.35	-----	26.50	4223
11.29	10.50	10.77	10.00	0.52	0.50	*9.16	10.00	9.16	-----	35.00	3828
10.84	10.50	10.38	10.00	0.46	0.50	4.31	4.00	4.31	-----	25.75	2985
11.35	10.50	11.07	10.00	0.28	0.50	*3.46	4.00	3.46	-----	-----	4652
11.65	10.50	11.33	10.00	0.32	0.50	*8.45	10.00	8.46	-----	27.50	3942
10.63	10.50	10.35	10.00	0.28	0.50	10.76	10.00	10.76	-----	19.00	3537
11.75	10.50	11.43	10.00	0.32	0.50	*8.57	10.00	8.57	-----	-----	3754
11.66	10.50	11.22	10.00	0.44	0.50	10.21	10.00	10.21	-----	-----	4087
12.85	12.50	12.47	12.00	0.38	0.50	5.20	5.00	5.20	-----	23.60	2663
13.27	12.50	12.87	12.00	0.40	0.50	5.59	5.00	5.59	-----	26.00	3615
13.02	12.50	12.68	12.00	0.34	0.50	5.59	5.00	5.59	-----	26.45	2854
12.76	12.50	12.38	12.00	0.38	0.50	5.35	5.00	5.35	-----	21.00	2872
12.77	12.50	12.23	12.00	0.54	0.50	5.72	5.00	5.72	-----	-----	4084
14.16	12.50	13.20	12.00	0.96	0.50	4.81	5.00	4.81	-----	23.50	4012
12.54	10.00	11.44	10.00	1.10	-----	4.71	4.00	4.71	-----	-----	3320

*Deficient.

TABLE VI—ROCK AND

Chemist's number	Name of Manufacturer and Brand.	Sample Taken From—
3659	Baugh's 10 and 4 Phosphate and Potash Mixture, -----	H. C. McEwen, New Bethlehem, -----
3540	Baugh's 10 and 10 Phosphate and Potash Mixture, -----	Thos. K. George, Homer City, -----
2858	Baugh's 10 and 10 Phosphate and Potash Mixture, -----	Orr & Grazier, Tyrone, -----
3635	Baugh's 10 and 10 Phosphate andd Potash Mixture, -----	John Riggs, Hubbard, R. D., -----
3277	Baugh's 10 and 10 Phosphate and Potash Mixture, -----	H. O. Zook, Mifflintown, -----
4003	Baugh's 12 and 5 Phosphate and Potash Mixture, -----	D. W. Faust & Son, Chambersburg, ---
4353	Baugh's 12 and 5 Phosphate and Potash Mixture, -----	Mifflinburg Farmers Exchange, Inc., Mifflinburg, -----
4753	Baugh's 12 and 5 Phosphate and Potash Mixture, -----	A. B. Robinson, Neeleyton, -----
4388	Baugh's 12 and 5 Phosphate and Potash Mixture, -----	H. M. Shearer, New Alexandra, -----
3368	Baugh's 12 and 5 Phosphate and Potash Mixture, -----	E. P. Wargo, Danville, -----
4998	Baugh's 12 and 5 Phosphate and Potash Mixture, -----	West Manheim Farmers Association, Hanover, -----
4668	Baugh's 12 and 5 Phosphate and Potash Mixture, -----	J. F. Wineland, Curryville, -----
3409	Baugh's 12 and 5 Phosphate and Potash Mixture -----	A. E. Woodruff, Wysox, -----
3278	Baugh's 12 and 5 Phosphate and Potash Mixture, -----	H. O. Zook, Mifflintown, -----
	CARLISLE FERTILIZER WORKS, INC., CARLISLE, PA.	
3379	Carlisle 12-5, -----	Carlisle Fertilizer Works, Inc., Carlisle,--
4292	Carlisle 12-5, -----	Carlisle Fertilizer Works, Inc., Carlisle,--
	CENTRAL CHEMICAL CO., HAGERSTOWN, MD.	
4207	Gro-All Potash Special 12-5, -----	Central Chemical Co., Milton, -----
4182	Gro-All Potash Special 12-5, -----	Earl Morton, McConnellsburg, -----
4026	Gro-All Potash Special 12-5, -----	Strickler & Gillan, Greencastle, -----
4707	Gro-All Potash Special 12-5, -----	Strickler & Gillan, Greencastle, -----
4665	Gro-All Potash Special 12-5, -----	Blair Treese, Williamsburg, -----
	CO-OPERATIVE G. L. F. EXCHANGE, INC., NEW YORK, N. Y.	
3408	G. L. F. 0-12-5 Fertilizer, -----	Farmers Co-operative Co., Wysox, ----
2757	G. L. F. 0-12-5 Fertilizer, -----	Union City Co-operative Association, Union City, -----
	AMOS EBY & CO., LEAMAN PLACE, PA.	
3631	Eby Farmer's Mixture, -----	Amos Eby & Co., Leaman Place, -----
4786	Eby Farmer's Mixture, -----	Amos Eby & Co., Leaman Place, -----
	FARMERS FERTILIZER WORKS, ELIZABETHTOWN, PA.	
3293	Farmer's Phosphate and Potash, -----	J. T. Auker, Mifflintown, -----
4785	Farmer's Phosphate and Potash, -----	Farmers Fertilizer Works, Elizabethtown.
3374	Farmer's Phosphate and Potash, -----	Geo. H. Steininger, Middleburg, -----
	W. C. FOLLMER, BENTON, PA.	
3096	12 and 5 Phosphate, -----	W. C. Follmer, Benton, -----
4323	12 and 5 Phosphate, -----	W. C. Follmer, Benton, -----

POTASH FERTILIZERS—Continued.

PHOSPHORIC ACID						POTASH				Selling price per ton at place of selection.	Chemist's number
Total.		Available.		Insoluble		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	\$	
13.53	10.00	12.39	10.00	1.14	-----	4.93	4.00	4.93	-----	24.50	3059
10.65	10.00	9.81	10.00	0.84	-----	10.67	10.00	10.67	-----	28.00	3540
11.59	10.00	10.79	10.00	0.50	-----	*9.72	10.00	9.72	-----	28.70	2858
11.06	10.00	10.52	10.00	0.54	-----	*9.60	10.00	9.60	-----	31.50	3635
10.55	10.00	10.03	10.00	0.52	-----	10.04	10.00	10.64	-----		3277
14.09	12.00	12.87	12.00	1.22	-----	*4.49	5.00	4.49	-----		4003
12.94	12.00	12.04	12.00	0.90	-----	5.20	5.00	5.20	-----	24.65	4353
12.97	12.00	12.33	12.00	0.64	-----	5.13	5.00	5.13	-----	23.50	4753
12.85	12.00	11.89	12.00	0.96	-----	5.08	5.00	5.08	-----	28.50	4388
13.52	12.00	*11.70	12.00	1.82	-----	5.42	5.00	5.42	-----	24.00	3368
12.96	12.00	12.10	12.00	0.86	-----	5.21	5.00	5.21	-----	24.25	4998
12.88	12.00	11.98	12.00	0.90	-----	5.53	5.00	5.53	-----	28.55	4668
13.07	12.00	11.99	12.00	1.03	-----	5.04	5.00	5.04	-----	24.00	3409
13.79	12.00	12.07	12.00	1.72	-----	5.21	5.00	5.21	-----		3278
12.93	12.50	11.93	12.00	1.00	0.50	5.09	5.00	5.09	-----	23.00	3379
12.81	12.50	*11.65	12.00	1.16	0.50	5.14	5.00	5.14	-----		4292
13.14	12.50	12.34	12.00	0.80	0.50	5.14	5.00	5.14	-----	24.18	4207
13.34	12.50	12.30	12.00	1.04	0.50	5.10	5.00	5.10	-----		4182
13.11	12.50	12.33	12.00	0.78	0.50	5.02	5.00	5.02	-----		4026
13.14	12.50	12.42	12.00	0.72	0.50	5.10	5.00	5.10	-----		4707
13.07	12.50	12.17	12.00	0.90	0.50	5.11	5.00	5.11	-----	25.50	4665
12.97	12.50	12.51	12.00	0.46	0.50	5.24	5.00	5.24	-----	24.00	3403
12.48	12.50	12.12	12.00	0.36	0.50	5.12	5.00	4.40	0.72	23.45	2737
12.19	13.00	11.95	12.00	0.24	1.00	5.09	5.00	5.09	-----	22.50	3681
13.29	13.00	12.55	12.00	0.74	1.00	5.34	5.00	5.34	-----		4786
12.77	12.00	12.57	12.00	0.20	-----	5.10	5.00	5.10	-----		3293
13.01	12.00	12.79	12.00	0.22	-----	5.19	5.00	5.19	-----		4785
12.50	12.00	12.46	12.00	0.04	-----	5.07	5.00	5.07	-----	26.00	3374
12.78	12.50	12.12	12.00	0.66	0.50	*4.02	5.00	4.02	-----	23.00	3096
13.14	12.50	12.82	12.00	0.32	0.50	*4.41	5.00	4.41	-----	23.00	4323

*Deficient

TABLE VI—ROCK AND

Chemist's number	Name of Manufacturer and Brand.	Sample Taken From—
	GRIFFITH & BOYD CO., BALTIMORE, MD.	
3147	Griffith and Boyd Co.'s Monarch Brand, ---	Martin & Co., Saltsburg, -----
2642	Griffith and Boyd Co.'s Special Grain Grower, ---	Charles G. Kleekner, Millmont, -----
4402	Griffith and Boyd Co.'s Special Grain Grower, ---	Kline Grain Co., Sheloeta, -----
4276	Griffith and Boyd Co.'s XX Potash Manure, -----	J. S. Artley, Muney, -----
4046	Griffith and Boyd Co.'s XX Potash Manure, -----	Dayton Milling Co., Dayton, -----
2637	Griffith and Boyd Co.'s XX Potash Manure, -----	Charles G. Kleekner, Millmont, -----
	THE HUBBARD FERTILIZER COMPANY, BALTIMORE, MD.	
4894	Hubbard's High Grade Potash Mixture 10-4, -----	H. E. Huston, Saltillo, -----
2572	Hubbard's 12-5 Alkaline, -----	Agricultural Extension Association, Lock Haven, -----
4827	Hubbard's 12-5 Alkaline, -----	A. L. Helman, Indiana, -----
3266	Hubbard's 12-5 Alkaline, -----	Reed McNitt, Milroy, -----
3950	Hubbard's 12-5 Alkaline, -----	Wm. Platt, Berlin, -----
4670	Hubbard's 12-5 Alkaline, -----	J. F. Wineland, Curryville, -----
	INTERNATIONAL AGRICULTURAL CORPORATION, BUFFALO, N. Y.	
3100	Buffalo Acid Phosphate and Potash 0-10-4, ---	Linesville Milling Company, Linesville, ---
3639	Buffalo Acid Phosphate and Potash 0-10-4, ---	Morland Brothers, Jamestown, -----
	THE JARECKI CHEMICAL CO., SANDUSKY, OHIO	
3509	Jarecki's 0-12-5 Fertilizer, -----	Roy T. Zimmerman, Bellefonte, -----
	KEYSTONE GRANGE EXCHANGE, INC., HARRISBURG, PA.	
2668	Granger's Superior, -----	J. N. Baker, Allenwood, -----
3582	Granger's Superior, -----	J. C. Britton, New Galilee, -----
3416	Granger's Superior, -----	H. P. Yonkin, Dushore, -----
	KOLLER FERTILIZER COMPANY, SEITZLAND, PA.	
4073	Koller's Electric Phosphate, -----	Koller Fertilizer Company, Seitzland, ---
4991	Koller's Electric Phosphate, -----	Koller Fertilizer Company, Seitzland -----
	LANCASTER BONE FERTILIZER CO., LANCASTER, PA.	
4375	Conestoga Brand 12-5, -----	Geo. H. Steininger, Middleburg, -----
	LEBANON FERTILIZER WORKS, LEBANON, PA.	
3700	Levan's Naught-Ten-Five, -----	A. L. Herr & Brother, Quarryville, ---
4797	Levan's Naught-Ten-Five, -----	A. L. Herr & Brother, Quarryville, ---
4591	Levan's Naught-Ten-Five, -----	James W. Rentschler, Hamburg, -----
4666	Levan's Naught-Twelve-Eight, -----	G. W. Gates, Williamsburg, -----
3701	Levan's Naught-Twelve-Eight, -----	A. L. Herr & Brother, Quarryville, ---
	FRED E. LORD, ESPY, PA.	
2815	Columbia County Fall Special, -----	Fred. E. Lord, Espy, -----
4331	Columbia County Fall Special, -----	Fred. E. Lord, Espy, -----
	THE MILLER FERTILIZER CO., BALTIMORE, MD.	
2912	Miller's 4% Alkaline 10-4, -----	Francis Baker, Everett, -----
4301	Miller's 4% Alkaline 10-4, -----	Ross Goodman, Huntingdon, -----
3829	Miller's 4% Alkaline 10-4, -----	H. J. Lindner, Pottsgrove, -----
3547	Miller's 12-5, -----	M. T. Harkins, Oxford, -----
2644	Miller's 12-5, -----	J. R. Iddings, Mifflinburg, -----
4230	Miller's 12-5, -----	H. J. Lindner and Son, Pottsgrove, --

POTASH FERTILIZERS—Continued.

PHOSPHORIC ACID						POTASH				Selling price per ton at place of selection.	Chemist's number
Total.		Available.		Insoluble							
Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	\$	
8.80	9.00	8.56	8.00	0.24	1.00	8.04	8.00	8.04	-----	24.50	3147
12.85	13.00	12.61	12.00	0.24	1.00	5.18	5.00	5.18	-----	23.80	2642
12.40	13.00	12.00	12.00	0.40	1.00	5.69	5.00	5.69	-----	28.00	4402
10.51	11.00	10.23	10.00	0.28	1.00	5.19	5.00	5.19	-----	26.00	4276
11.23	11.00	10.87	10.00	0.36	1.00	5.79	5.00	5.79	-----	22.00	4043
11.48	11.00	11.18	10.00	0.30	1.00	5.80	5.00	5.80	-----	21.25	2637
11.10	10.50	10.28	10.00	0.82	0.50	*3.73	4.00	3.73	-----	28.00	4894
13.14	12.50	12.56	12.00	0.58	0.50	5.00	5.00	5.00	-----	24.50	2572
12.93	12.50	11.93	12.00	1.00	0.50	5.67	5.00	5.67	-----	26.25	4827
12.59	12.50	11.97	12.00	0.62	0.50	5.52	5.00	5.52	-----	24.10	3266
12.95	12.50	12.29	12.00	0.66	0.50	*4.63	5.00	4.63	-----	39.50	3950
13.14	12.50	12.32	12.00	0.82	0.50	5.51	5.00	5.51	-----	28.55	4670
10.33	11.00	9.89	10.00	0.44	1.00	4.48	4.00	4.48	-----	21.50	3100
10.05	11.00	*9.59	10.00	0.46	1.00	4.20	4.00	4.20	-----	23.00	3639
13.10	12.50	12.48	12.00	0.62	0.50	5.39	5.00	5.39	-----	20.96	3509
13.30	12.50	12.18	12.00	1.12	0.50	5.06	5.00	5.06	-----	23.80	2663
13.82	12.50	11.98	12.00	1.84	0.50	5.41	5.00	5.41	-----	25.00	3582
12.90	12.50	12.14	12.00	0.76	0.50	5.24	5.00	5.24	-----	23.80	3416
10.84	10.50	10.14	10.00	0.70	0.50	5.41	5.00	5.41	-----	21.00	4073
12.39	10.50	11.57	10.00	0.82	0.50	5.55	5.00	5.55	-----	21.00	4991
12.91	12.50	11.97	12.00	0.94	0.50	5.05	5.00	5.05	-----	26.00	4375
10.89	11.00	10.35	10.00	0.54	1.00	5.11	5.00	5.11	-----	-----	3700
10.98	11.00	10.00	10.00	0.98	1.00	5.02	5.00	5.02	-----	-----	4797
11.10	11.00	10.06	10.00	1.04	1.00	4.60	5.00	4.90	-----	24.00	4591
13.70	13.00	12.80	12.00	0.90	1.00	8.06	8.00	8.06	-----	27.00	4636
13.41	13.00	12.77	12.00	0.64	1.00	8.41	8.00	8.41	-----	-----	3701
14.38	12.50	13.80	12.00	0.58	0.50	4.90	5.00	4.90	-----	21.00	2815
13.16	12.50	12.00	12.00	1.16	0.50	5.09	5.00	5.09	-----	21.00	4331
10.97	10.50	10.29	10.00	0.68	0.50	4.11	4.00	4.11	-----	21.00	2912
11.29	10.50	10.45	10.00	0.84	0.50	4.00	4.00	4.00	-----	-----	4301
11.23	10.50	10.61	10.00	0.62	0.50	4.48	4.00	4.48	-----	22.65	3829
12.72	12.50	12.02	12.00	0.70	0.50	5.54	5.00	5.54	-----	-----	3547
12.70	12.50	12.14	12.00	0.56	0.50	5.39	5.00	5.39	-----	23.25	2644
12.92	12.50	12.12	12.00	0.80	0.50	5.00	5.00	5.00	-----	24.65	4230

*Deficient.

TABLE VI—ROCK AND

Chemist's number	Name of Manufacturer and Brand.	Sample Taken From—
4692	Miller's 12-5, -----	Walker Brother, Chambersburg, -----
2928	Miller's 12-5, -----	L. K. Yoder, Belleville, -----
	MORTON FERTILIZER CO., BALTIMORE, MD.	
4613	Morton's Ten-Four Special, -----	Jerome Loose, Bern, -----
2770	Morton's Twelve and Five, -----	Allen G. Blatt, Bernville, -----
4612	Morton's Twelve and Five, -----	Jerome Loose, Bern, -----
3834	Morton's Twelve and Five, -----	H. B. Low & Son, Orangeville, -----
	G. OBER & SONS COMPANY, BALTIMORE, MD.	
4622	Ober's Twelve and Five Potash Compound, -----	Petersburg Milling Co., Bessemer, -----
	PATUXENT GUANO COMPANY, BALTIMORE, MD.	
4271	Patuxent Potash Mixture, -----	Chas. A. B. Boner, Montgomery, -----
4694	Patuxent Potash Mixture, -----	Chambersburg Grain Co., Chambersburg, -----
4365	Patuxent Potash Mixture, -----	J. P. Walters, Vicksburg, -----
	PIEDMONT MT. AIRY GUANO CO., BALTIMORE, MD.	
2922	Piedmont 0-9-5 Potash Mixture, -----	Farmers Exchange, Everett, -----
4478	Piedmont 0-10-4 Potash Mixture, -----	H. B. Low & Son, Orangeville, -----
4752	Piedmont 0-10-4 Potash Mixture, -----	A. G. Smith, Mt. Union, -----
4281	Piedmont Potash Special, -----	H. R. Schoch, Montoursville, -----
4696	Piedmont Super Phosphate and Potash, -----	Chambersburg Grain Co., Chambersburg, -----
2705	Piedmont Super Phosphate and Potash, -----	D. M. Long, Emlenton, -----
3853	Piedmont Super Phosphate and Potash, -----	H. B. Low & Son, Orangeville, -----
4481	Piedmont Super Phosphate and Potash, -----	H. B. Low & Son, Orangeville, -----
3432	Piedmont Super Phosphate and Potash, -----	Preston, Inc., Canton, -----
4308	Piedmont Super Phosphate and Potash, -----	A. G. Smith, Mt. Union, -----
	RASIN MONUMENTAL COMPANY, SUB- SIDIARY OF THE VIRGINIA-CAROLINA CHEMICAL CORPORATION, NEW YORK, N. Y.	
4738	Rasin's High Grade Potash Mixture, -----	J. E. Hauck, Franklinville, -----
2960	Rasin's High Grade Potash Mixture, -----	C. Raker & Son, McConnellsburg, -----
4337	Rasin's High Grade Potash Mixture, -----	H. A. Snyder, Strawberry Ridge, -----
3300	Rasin's Special Potash Mixture, -----	W. W. Book, Port Royal, -----
3856	Rasin's Special Potash Mixture, -----	H. B. Low & Son, Orangeville, -----
	READING BONE FERTILIZER CO., READING, PA.	
4901	Economy Brand, -----	J. T. Claybaugh, Everett, -----
2901	High Grade Potash Mixture, -----	C. A. Claybaugh, Everett, -----
4735	High Grade Potash Mixture, -----	Goss Brothers, Alexandria, -----
3047	High Grade Potash Mixture, -----	John P. Reed, Clarion, -----
4775	High Grade Potash Mixture, -----	Wm. Willets, Caleium, -----
	ROBERT A. REICHARD, INC., ALLENTOWN, PA.	
4764	Reichard's Famous 12-5, -----	Robt. F. Beers, Palmerton, -----
	F. S. ROYSTER GUANO COMPANY, BALTIMORE, MD.	
4820	Royster's 10-4 Phosphate and Potash, -----	Luther S. Bence, Dixonville, -----
3719	Royster's 10-4 Phosphate and Potash, -----	Glossner Brothers, Lock Haven, -----
3176	Royster's 10-10 Phosphate and Potash, -----	M. P. Close, Tioga, -----
4042	Royster's 10-10 Phosphate and Potash, -----	W. H. McCunn, Home, -----

POTASH FERTILIZERS—Continued.

PHOSPHORIC ACID						POTASH				Selling price per ton at place of selection.	Chemist's number
Total.		Available.		Insoluble		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	\$	
12.41	12.50	*11.69	12.00	0.72	0.50	4.81	5.00	4.81	-----	-----	4692
13.34	12.50	12.70	12.00	0.64	0.50	4.83	5.00	4.83	-----	-----	2923
11.14	11.00	9.96	10.00	1.18	1.00	4.58	4.00	4.58	-----	17.05	4613
12.41	13.00	11.95	12.00	0.46	1.00	5.18	5.00	5.18	-----	19.40	2770
13.48	13.00	12.16	12.00	1.32	1.00	5.25	5.00	5.25	-----	19.75	4612
12.55	13.00	12.27	12.00	0.28	1.00	5.07	5.00	5.07	-----	22.50	3834
13.32	13.00	12.10	12.00	1.22	1.00	*4.64	5.00	4.64	-----	26.50	4622
12.92	13.00	11.96	12.00	0.96	1.00	5.09	5.00	5.09	-----	23.85	4271
13.19	13.00	12.27	12.00	0.92	1.00	5.05	5.00	5.05	-----	-----	4694
12.88	13.00	12.14	12.00	0.74	1.00	5.03	5.00	5.03	-----	25.00	4365
9.69	10.00	9.01	9.00	0.68	1.00	4.83	5.00	4.83	-----	-----	2922
10.77	11.00	9.81	10.00	0.93	1.00	4.02	4.00	4.02	-----	20.50	4178
11.48	11.00	10.54	10.00	0.94	1.00	3.81	4.00	3.81	-----	23.00	4752
10.59	11.00	9.49	10.00	0.60	1.00	8.41	8.00	8.41	-----	27.00	4281
13.73	13.00	12.61	12.00	1.12	1.00	5.35	5.00	5.35	-----	-----	4636
13.01	13.00	12.69	12.00	0.92	1.00	*4.47	5.00	4.47	-----	25.00	2705
12.63	13.00	*11.71	12.00	0.92	1.00	5.14	5.00	5.14	-----	22.50	3353
13.29	13.00	12.15	12.00	1.14	1.00	5.14	5.00	5.14	-----	22.50	4431
12.88	13.00	11.94	12.00	0.94	1.00	*4.79	5.00	4.79	-----	26.50	3432
12.82	13.00	12.02	12.00	0.80	1.00	5.10	5.00	5.10	-----	26.25	4398
13.30	13.00	12.28	12.00	1.02	1.00	5.33	5.00	5.33	-----	23.00	4738
12.85	13.00	12.23	12.00	0.62	1.00	*4.50	5.00	4.50	-----	26.00	2900
12.91	13.00	11.97	12.00	0.94	1.00	5.46	5.00	5.46	-----	24.50	4337
10.03	11.00	*9.39	10.00	0.64	1.00	*3.60	4.00	3.60	-----	-----	3300
10.73	11.00	10.19	10.00	0.54	1.00	4.34	4.00	4.34	-----	20.00	3356
11.66	11.00	10.92	10.00	0.74	1.00	4.00	4.00	4.00	-----	24.00	4901
12.96	13.00	12.32	12.00	0.64	1.00	8.08	8.00	8.08	-----	31.50	2901
13.47	13.00	12.27	12.00	1.20	1.00	8.21	8.00	8.21	-----	25.00	4735
13.23	13.00	12.47	12.00	0.76	1.00	8.07	8.00	8.07	-----	29.00	3047
13.14	13.00	12.32	12.00	0.82	1.00	8.43	8.00	8.43	-----	32.00	4775
12.83	13.00	12.01	12.00	0.82	1.00	5.60	5.00	5.06	-----	-----	4764
11.39	10.50	10.49	10.00	0.90	0.50	3.92	4.00	3.92	-----	24.00	4820
11.14	10.50	10.66	10.00	0.48	0.50	4.00	4.00	4.00	-----	23.00	3719
10.97	10.50	10.33	10.00	0.64	0.50	10.07	10.00	10.07	-----	29.00	3176
11.41	10.50	11.01	10.00	0.40	0.50	*9.45	10.00	9.45	-----	23.50	4042

*Deficient.

TABLE VI—ROCK AND

Chemist's number	Name of Manufacturer and Brand.	Sample Taken From—
2938	Royster's 10-10 Phosphate and Potash, -----	J. M. Rider, Millville, -----
3423	Royster's 12-5 Phosphate and Potash, -----	Robert Dempsey, Dushore, -----
3489	Royster's 12-5 Phosphate and Potash, -----	Frank Hoover, Winburne, -----
4180	Royster's 12-5 Phosphate and Potash, -----	Huston Brothers, Three Springs, -----
4043	Royster's 12-5 Phosphate and Potash, -----	W. H. McCann, Home, -----
4926	Royster's 12-5 Phosphate and Potash, -----	R. C. McGee, Roaring Springs, -----
2939	Royster's 12-5 Phosphate and Potash, -----	J. M. Rider, Millville, -----
3325	Royster's 12-5 Phosphate and Potash, -----	Wilson Roth, Conyngham, -----
	SHIPPENSBURG FERTILIZER WORKS, SHIPPENSBURG, PA.	
4675	Old Reliable Valley Special, -----	Shippensburg Fertilizer Works, Ship- pensburg, -----
	STANDARD CHEMICAL WORKS, INC., READING, PA.	
4315	Standard Twelve and Five, -----	Belleville Flour Mills, Belleville, -----
3136	Standard Twelve and Five, -----	S. T. Kanarr, Indiana, -----
4825	Standard Twelve and Five, -----	S. T. Kanarr, Indiana, -----
	SWIFT & CO., BALTIMORE, MD.	
3621	Swift's Red Steer 0-10-10, -----	Petersburg Milling Company, Bessemer, Chambersburg Grain Co., Chambersburg,
4015	Swift's Red Steer 0-12-5, -----	Deal Brothers Milling Co., Bedford, -----
2894	Swift's Red Steer 0-12-5, -----	Wm. B. Diehl, Lehighton, -----
3631	Swift's Red Steer 0-12-5, -----	H. A. Grubb, State College, -----
4739	Swift's Red Steer 0-12-5, -----	S. R. Kline, Benton, -----
3352	Swift's Red Steer 0-12-5, -----	
	I. P. THOMAS & SON COMPANY, PHILADELPHIA, PA.	
4202	Dairymen's Special 0-10-10, -----	W. Bert Kase, Danville, -----
4443	Dairymen's Special 0-10-10, -----	D. H. Price, Hughesville, -----
2949	Dairymen's Special 0-10-10, -----	C. W. Thomas, Danville, -----
4522	Dairymen's Special 0-10-10, -----	J. Z. Yoder, Reedsville, -----
3261	Potash Mixture 0-12-5, -----	D. L. Hertzler, Mechanicsburg, -----
4203	Potash Mixture 0-12-5, -----	W. Bert Kase, Danville, -----
2942	Potash Mixture 0-12-5, -----	Preston Eves & Son, Millville, -----
4439	Potash Mixture 0-12-5, -----	D. H. Price, Hughesville, -----
	F. W. TUNNEL & COMPANY, INC., PHILADELPHIA, PA.	
3193	Potash Manure 0-12-5, -----	F. W. Tunnel & Company, Inc., Phila- delphia, -----
	UNITED STATES GUANO COMPANY, BALTIMORE, MD.	
4244	Standard United States High Grade Phos- phate and Potash, -----	Neil S. Harrison, Forks, -----
4809	Standard United States High Grade Phos- phate and Potash, -----	Ralph Hosler, Berwick, -----
4944	Standard United States Phosphate and Potash, -----	C. H. Shmucker, Friedens, -----
	VIRGINIA-CAROLINA CHEMICAL COR- PORATION, NEW YORK, N. Y.	
3730	V-C High Grade Potash Mixture, -----	Frey's Hardware Company, Muncy, -----
4107	V-C High Grade Potash Mixture, -----	Murray Company, Honesdale, -----
3522	V-C High Grade Potash Mixture, -----	West Apollo Milling Co., Apollo, -----
3650	V-C Special Potash Mixture, -----	J. M. Pattisan, Elairs Mills, -----
3111	V-C 10% Phosphate and Potash, -----	Albion Milling Company, Albion, -----

POTASH FERTILIZERS—Continued.

PHOSPHORIC ACID						POTASH				Selling price per ton at place of selection.	Chemist's number
Total.		Available.		Insoluble		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	\$	
11.35	10.50	10.89	10.00	0.46	0.50	10.01	10.00	10.01	-----	29.80	2938
23.41	12.50	12.71	12.00	0.70	0.50	5.16	5.00	5.16	-----	-----	3423
13.34	12.50	12.68	12.00	0.66	0.50	*4.59	5.00	4.59	-----	28.50	3489
13.66	12.50	12.58	12.00	1.08	0.50	4.84	5.00	4.84	-----	25.00	4180
13.34	12.50	12.84	12.00	0.50	0.50	*4.75	5.00	4.75	-----	26.00	4043
13.81	12.50	12.67	12.00	1.14	0.50	5.27	5.00	5.27	-----	26.95	4923
12.93	12.50	12.17	12.00	0.76	0.50	5.27	5.00	5.27	-----	26.00	2939
13.02	12.50	12.46	12.00	0.56	0.50	4.87	5.00	4.87	-----	26.00	3325
13.39	12.50	12.37	12.00	1.02	0.50	5.03	5.00	5.03	-----	-----	4675
14.03	13.00	12.73	12.00	1.30	1.00	*4.17	5.00	4.17	-----	-----	4315
12.41	13.00	12.13	12.00	0.28	1.00	4.92	5.00	4.92	-----	23.00	3136
13.50	13.00	12.20	12.00	1.30	1.00	*4.71	5.00	4.71	-----	23.00	4825
10.33	10.00	10.07	10.00	0.26	-----	10.08	10.00	10.08	-----	29.00	3621
12.96	12.00	12.50	12.00	0.46	-----	5.01	5.00	5.01	-----	-----	4015
13.27	12.00	12.61	12.00	0.66	-----	5.07	5.00	5.07	-----	24.70	2894
13.64	12.00	12.92	12.00	0.72	-----	5.45	5.00	5.45	-----	-----	3031
13.66	12.00	12.52	12.00	1.14	-----	5.42	5.00	5.42	-----	24.00	4739
13.28	12.00	12.48	12.00	0.80	-----	5.00	5.00	5.00	-----	24.45	3352
12.12	11.00	10.02	10.00	2.10	1.00	*9.75	10.00	8.00	1.75	26.75	4202
12.28	11.00	10.42	10.00	1.86	1.00	9.83	10.00	8.10	1.73	27.50	4443
11.98	11.00	10.26	10.00	1.72	1.00	10.65	10.00	10.65	-----	27.40	2949
12.09	11.00	10.05	10.00	2.04	1.00	10.29	10.00	8.70	1.59	28.00	4522
14.62	13.00	12.48	12.00	2.14	1.00	5.33	5.00	4.70	0.63	-----	3261
13.89	13.00	*11.43	12.00	2.46	1.00	5.60	5.00	4.00	0.40	23.80	4203
14.35	13.00	12.07	12.00	2.28	1.00	5.40	5.00	5.40	-----	23.50	2942
13.94	13.00	12.03	12.00	1.91	1.00	5.25	5.00	3.70	1.55	24.75	4439
12.92	13.00	12.46	12.00	0.46	1.00	4.92	5.00	1.60	3.32	-----	3193
13.48	12.50	12.28	12.00	1.20	0.50	*4.79	5.00	4.79	-----	21.50	4244
13.26	12.50	12.22	12.00	1.14	0.50	5.23	5.00	5.23	-----	21.00	4809
13.84	10.50	12.64	10.00	1.20	0.50	4.86	4.00	8.86	-----	21.60	4944
12.85	13.00	12.05	12.00	0.80	1.00	6.01	5.00	6.01	-----	24.00	3730
13.00	13.00	12.04	12.00	0.96	1.00	5.91	5.00	5.91	-----	29.00	4107
13.48	13.00	12.80	12.00	0.68	1.00	5.24	5.00	5.24	-----	25.30	3522
11.86	11.00	11.22	10.00	0.64	1.00	4.39	4.00	4.39	-----	23.50	3650
10.61	11.00	10.29	10.00	0.32	1.00	10.36	10.00	10.36	-----	24.61	3111

*Deficient.

TABLE VI—ROCK AND

Chemist's number	Name of Manufacturer and Brand.	Sample Taken From—
	WASHINGTON, ALEXANDER & COOKE COMPANY, AFFILIATED WITH VIRGINIA- CAROLINA CHEMICAL CORPORATION, CHARLES TOWN, W. VA.	
4137	Wacco Eight and Six, -----	E. S. Kelly, Qettysburg, -----
3689	Wacco Eight and Six, -----	Quarryville Farmers Association, Quar- ryville, -----
4793	Wacco Eight and Six, -----	Quarryville Farmers Association, Quar- ryville, -----
4796	Wacco Standard Potash Brand, -----	Quarryville Farmers Association, Quar- ryville, -----
		Average, -----

POTASH FERTILIZERS—Concluded.

PHOSPHORIC ACID						POTASH				Selling price per ton at place of selection.	Chemist's number
Total.		Available.		Insoluble				Present as Muriate.	Present as Sulphate.		
Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	\$	
9.63	8.00	8.55	8.00	1.08	-----	6.78	6.00	6.78	-----		4137
9.69	8.00	8.93	8.00	0.76	-----	6.31	6.00	6.31	-----	22.25	3689
9.64	8.00	8.76	8.00	0.88	-----	*5.31	6.00	5.31	-----		4793
10.65	10.00	10.07	10.00	0.58	-----	8.53	8.00	8.53	-----		4796
12.43	-----	11.64	-----	0.79	-----	5.83	-----	-----	-----	24.92	-----

*Deficient.

TABLE VII—MISCELLANEOUS

Chemist's number.	Name of Manufacturer and Brand.	Sample Taken From—
NITRATE OF SODA		
THE AMERICAN AGRICULTURAL CHEMICAL CO., NEW YORK, N. Y.		
2605	Nitrate of Soda, -----	J. B. Andersons Sons, Shickshinny, -----
4888	Nitrate of Soda, -----	Edward Baer Hardware Chemical Co., Connellsville, -----
3956	Nitrate of Soda, -----	H. C. Beerits Sons, Somerset, -----
3597	Nitrate of Soda, -----	J. J. Kennedy & Sons, Zelienople, -----
2589	Nitrate of Soda, -----	George A. Konkle, Montoursville, -----
ARMOUR FERTILIZER WORKS, BALTIMORE, MD.		
2665	Armour's Big Crop Nitrate of Soda, -----	D. Luther Bogenrief, Mifflinburg, -----
3984	Armour's Big Crop Nitrate of Soda, -----	A. Skelly, Ebensburg, -----
3751	Armour's Big Crop Nitrate of Soda, -----	Glenn E. Tingley, New Milford, -----
THE ASSOCIATED CHEMICAL CO., BALTIMORE, MD.		
4284	Nitrate of Soda, -----	Chaapels Seed Co., Williamsport, -----
3736	Nitrate of Soda, -----	Herman Keebler, Montoursville, -----
3376	Nitrate of Soda, -----	George H. Steininger, Middleburg, -----
4028	Nitrate of Soda, -----	Strickler & Gillan, Greencastle, -----
BAUGH & SONS COMPANY, PHILADELPHIA, PA.		
3765	Nitrate of Soda, -----	Beckert Seed Store, Pittsburgh, -----
4006	Nitrate of Soda, -----	D. W. Faust & Sons, Chambersburg, -----
4685	Nitrate of Soda, -----	D. W. Faust & Sons, Chambersburg, -----
2860	Nitrate of Soda, -----	Orr & Grazier, Tyrone, -----
4619	Nitrate of Soda, -----	E. P. Wargo, Danville, -----
CO-OPERATIVE G. L. F. EXCHANGE, INC., NEW YORK, N. Y.		
4113	G. L. F. Nitrate of Soda, -----	Honesdale G. L. F. Service, Honesdale, -----
GRIFFITH & BOYD CO., BALTIMORE, MD.		
3413	Griffith & Boyd Co.'s Nitrate of Soda, -----	O. L. Allen, Powell, -----
4279	Griffith & Boyd Co.'s Nitrate of Soda, -----	J. S. Artley, Muney, -----
4044	Griffith & Boyd Co.'s Nitrate of Soda, -----	Dayton Milling Co., Dayton, -----
3929	Griffith & Boyd Co.'s Nitrate of Soda, -----	A. F. Stutzman & Son, Johnstown, -----
2932	Griffith & Boyd Co.'s Nitrate of Soda, -----	J. N. Zeisloft, Bloomsburg, -----
THE HUBBARD FERTILIZER COMPANY, BALTIMORE, MD.		
2574	Nitrate of Soda, -----	Agricultural Extension Association, Lock Haven, -----
2612	Nitrate of Soda, -----	Gallagher & Stevick, Wilkes-Barre, -----
3275	Nitrate of Soda, -----	Charles M. Smith, Lewistown, -----
2624	Nitrate of Soda, -----	State Hospital Farm, Danville, -----
KEYSTONE BONE FERTILIZER CO., PHILADELPHIA, PA.		
3847	Nitrate of Soda, -----	Fred. Nester, New Ringgold, -----
KEYSTONE GRANGE EXCHANGE, INC., HARRISBURG, PA.		
3986	Granger's Nitrate of Soda, -----	Lynn H. Hall, Harrisburg, -----
3224	Granger's Nitrate of Soda, -----	Charles M. Pallman, Clarks Summit, -----
2839	Granger's Nitrate of Soda, -----	G. B. Wachob, DuBois, -----
FRED E. LORD, ESPY, PA.		
2818	Nitrate of Soda, -----	Fred. E. Lord, Espy, -----
4330	Nitrate of Soda, -----	Fred. E. Lord, Espy, -----

FERTILIZERS.

[illegible]

TABLE VII—MISCELLANEOUS

Chemist's number.	Name of Manufacturer and Brand.		Sample Taken From—	
	THE MILLER FERTILIZER CO., BALTI- MORE, MD.			
3666	Nitrate of Soda,	-----	Ross Goodman, Huntingdon, -----	
4306	Nitrate of Soda,	-----	Ross Goodman, Huntingdon, -----	
2654	Nitrate of Soda,	-----	H. J. Lindner, Pottsgrove, -----	
4023	Nitrate of Soda,	-----	Walker Brothers, Chambersburg, -----	
	MORTON FERTILIZER CO., BALTIMORE, MD.			
2774	Nitrate of Soda,	-----	Allen G. Blatt, Bernville, -----	
	NITRATE AGENCIES COMPANY, BALTI- MORE, MD.			
2684	Naeo Brand Nitrate of Soda,	-----	Wm. Pfeilsticker, South Oil City, -----	
	PIEDMONT MT. AIRY GUANO CO., BALTIMORE, MD.			
2845	Nitrate Soda,	-----	Ditz & Mooney Hardware, Clarion, ----	
2561	Nitrate Soda,	-----	H. J. Phillippi, Ligonier, -----	
	READING BONE FERTILIZER CO., READING, PA.			
3348	Nitrate of Soda,	-----	Robert D. Major, Dallas, -----	
	F. S. ROYSTER GUANO CO., BALTIMORE, MD.			
2594	Nitrate of Soda,	-----	Chasapels Seed Co., Williamsport, -----	
4466	Nitrate of Soda,	-----	Chasapels Seed Co., Williamsport, -----	
4477	Nitrate of Soda,	-----	W. W. Kalb, Sunbury, -----	
4038	Nitrate of Soda,	-----	Parnassus Hardware Co., Parnassus, --	
3478	Nitrate of Soda,	-----	Ridgway Grist Mill, Ridgway, -----	
3020	Nitrate of Soda,	-----	Bert. Whitaker, Bowmanstown, -----	
	STANDARD CHEMICAL WORKS, INC., READING, PA.			
4119	Nitrate of Soda,	-----	Gibbs Milling Co., Nantioke, -----	
3140	Nitrate of Soda,	-----	S. T. Kanarr, Indiana, -----	
	SUMMERS FERTILIZER CO., BALTIMORE, MD.			
3874	Summer's Best on Earth Nitrate of Soda 18%	-----	L. A. Carlson, Warren, -----	
	SWIFT & COMPANY, BALTIMORE, MD.			
3095	Swift's Nitrate of Soda,	-----	W. C. Follmer, Benton, -----	
3825	Swift's Nitrate of Soda,	-----	W. W. Kalb, Sunbury, -----	
2619	Swift's Nitrate of Soda,	-----	E. B. Vosler—S. R. McMichael, Hunlocks Creek, -----	
	I. P. THOMAS & SON COMPANY, PHILADELPHIA, PA.			
3473	Nitrate of Soda,	-----	E. E. Schmiedel, Ridgway, -----	
	VIRGINIA-CAROLINA CHEMICAL CORPOR- ATION, NEW YORK, N. Y.			
3321	Nitrate of Soda,	-----	S. T. Benninger, St. Johns, -----	
4603	Nitrate of Soda,	-----	Wm. B. Diehl, Leighton, -----	
2822	Nitrate of Soda,	-----	H. B. Low & Son, Orangeville, -----	
3526	Nitrate of Soda,	-----	West Apollo Milling Co., Apollo, -----	
	YORK CHEMICAL WORKS, YORK, PA.			
3335	Nitrate of Soda,	-----	Brice W. Bedell, Mill City, -----	
4156	Nitrate of Soda,	-----	Meade Black, Waterfall, -----	
3716	Nitrate of Soda,	-----	C. E. Frazier, Mill-Hall, -----	
4149	Nitrate of Soda,	-----	Red Lion Supply Co., Red Lion, -----	
			Average,	

FERTILIZERS—Continued.

NITROGEN.		PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
Found.	Guaranteed.	Total.		Available.		Insoluble.		Found.	Guaranteed.	Present as muriate.	Present as sulphate.		
		Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	%	%	\$	
15.36	14.82	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	3666
15.94	14.82	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	4306
15.80	14.82	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	65.00	2654
15.54	14.82	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	4023
15.68	15.00	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	56.45	2774
*14.74	15.00	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	62.50	2684
15.60	15.00	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	65.00	2845
15.76	15.00	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	62.00	2561
15.42	15.00	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	63.70	3348
15.04	15.00	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	80.00	2594
15.90	15.00	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	70.00	4466
15.60	15.00	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	61.80	4477
15.62	15.60	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	66.00	4038
15.54	15.00	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	80.00	3478
15.00	15.00	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	67.50	3020
15.72	15.00	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	68.00	4119
15.80	15.00	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	62.00	3140
*14.60	14.80	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	70.00	3874
15.68	14.82	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	65.00	3095
15.36	14.82	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	65.00	3825
15.88	14.82	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	60.00	2619
15.20	15.00	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	60.50	3473
15.10	14.80	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	70.00	3321
15.32	14.80	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	4603
15.52	14.80	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	65.00	2822
15.66	14.80	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	65.00	3526
15.68	15.00	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	63.00	3335
15.58	15.00	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	4186
15.44	15.00	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	64.00	3716
15.62	15.00	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	4149
15.54	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	66.48	-----

*Deficient.

TABLE VII—MISCELLANEOUS

Chemist's number.	Name of Manufacturer and Brand.	Sample Taken From—
SULPHATE OF AMMONIA		
2590	THE AMERICAN AGRICULTURAL CHEMICAL CO., NEW YORK, N. Y. Sulphate of Ammonia, -----	George A. Konkle, Montoursville, -----
3121	THE BARRETT COMPANY, NEW YORK, N. Y. Arcadian Sulphate of Ammonia, ----- BAUGH & SONS COMPANY, PHILADELPHIA, PA.	Vineyard Supplies Co., North East, ----
3002	Sulphate of Ammonia, -----	Cokely Brothers, Seranton, -----
3081	Sulphate of Ammonia, -----	W. M. Simington, Pottsgrove, -----
3066	FORD MOTOR CO., DETROIT, MICHIGAN, Ford Ammonium Sulphate, -----	Mahoning Valley Milling Co., Punxsu- tawney, -----
3945	Ford Ammonium Sulphate, -----	Myersdale Sales & Service Co., Myers- dale, -----
4148	Ford Ammonium Sulphate, -----	Red Lion Supply Co., Red Lion, -----
3604	Ford Ammonium Sulphate, -----	Universal Sales Co., New Castle, -----
3276	THE HUBBARD FERTILIZER COMPANY, BALTIMORE, MD. Sulphate of Ammonia, -----	Charles M. Smith, Lewistown, -----
3341	KEYSTONE GRANGE EXCHANGE, INC., HARRISBURG, PA. Granger's Sulphate of Ammonia, -----	Thomas Kresge, Falls, -----
3227	Granger's Sulphate of Ammonia, -----	Charles M. Pallman, Clarks Summit, --
3417	Granger's Sulphate of Ammonia, -----	H. P. Yonkin, Dushore, -----
2820	FRED E. LORD, ESPY, PA. Sulphate of Ammonia, -----	Fred E. Lord, Espy, -----
4333	Sulphate of Ammonia, -----	Fred E. Lord, Espy, -----
3252	THE MILLER FERTILIZER CO., BALTIMORE, MD. Sulphate of Ammonia, -----	M. C. Deitz's Sons, Meehanesburg, --
4229	Sulphate of Ammonia, -----	H. J. Lindner & Son, Pottsgrove, -----
3625	NITRATE AGENCIES COMPANY, BALTIMORE, MD. Naco Brand Sulphate of Ammonia, -----	Beaver County Co-operative Association, Beaver, -----
2683	Naco Brand Sulphate of Ammonia, -----	Wm. Pfeilstieker, South Oil City, -----
3139	STANDARD CHEMICAL WORKS, INC., READING, PA. Sulphate of Ammonia, -----	S. T. Kanarr, Indiana, -----
3089	SWIFT & COMPANY, BALTIMORE, MD. Swift's Sulphate of Ammonia, -----	G. H. Dippe, Stillwater, -----
2994	Swift's Sulphate of Ammonia, -----	Archie Eldall, Hicks Ferry, -----
	DRIED BLOOD	Average,
3012	SWIFT & COMPANY, BALTIMORE, MD. Swift's Ground Dried Blood, -----	Luzerne County Cooperative Association, Wilkes-Barre, -----
	TANKAGE	
3920	THE AMERICAN AGRICULTURAL CHEMICAL CO., NEW YORK, N. Y. Ground Tankage, -----	Wm. A. Farabaugh, Carrolltown, ----
3271	Ground Tankage, -----	John Shirey, Lewistown, -----

[illegible]

TABLE VII—MISCELLANEOUS

Chemist's number.	Name of Manufacturer and Brand.	Sample Taken From—
	THE ASSOCIATED CHEMICAL CO., BALTIMORE, MD.	
4372	Animal Tankage, -----	W. H. Snyder, Winfield, -----
	W. S. CAPLES & SON, JOHNSTOWN, PA.	
4934	Animal Tankage, -----	W. S. Caples & Son, Johnstown, -----
	GRIFFITH & BOYD CO., BALTIMORE, MD.	
3355	Griffith & Boy Co.'s 9% Tankage, -----	Houck & Cherrington, Catawissa, -----
	THE HUBBARD FERTILIZER COMPANY, BALTIMORE, MD.	
2613	9% Tankage, -----	Gallagher & Stevick, Wilkes-Barre, -----
3273	9% Tankage, -----	Charles M. Smith, Lewistown, -----
	KEYSTONE GRANGE EXCHANGE, INC., HARRISBURG, PA.	
3342	Granger's Tankage, -----	Thomas Kresge, Falls, -----
	FRED E. LORD, ESPY, PA.	
2816	Fertilizer Tankage, -----	Fred E. Lord, Espy, -----
4328	Fertilizer Tankage, -----	Fred E. Lord, Espy, -----
	THE MILLER FERTILIZER CO., BALTIMORE, MD.	
3667	9% Tankage, -----	Ross Goodman, Huntingdon, -----
	ROBERT A. REICHARD, INC., ALLENTOWN, PA.	
3041	Animal Tankage, -----	Robert F. Beer, Palmerton, -----
	SHAMOKIN FERTILIZER WORKS, SHAMOKIN, PA.	
3360	Animal Tankage, -----	Shamokin Fertilizer Works, Shamokin, -----
	SWIFT & COMPANY, BALTIMORE, MD.	
3094	Swift's Tankage 6%, -----	W. C. Follmer, Benton, -----
3088	Swift's Tankage 9%, -----	G. H. Dippe, Stillwater, -----
2996	Swift's Tankage 9%, -----	Luzerne County Cooperative Association, Wilkes-Barre, -----
	I. P. THOMAS & SON COMPANY, PHILA- DELPHIA, PA.	
3472	7% Bone Tankage, -----	E. F. Schmiedel, Ridgway, -----
2959	7% Bone Tankage -----	C. W. Thomas, Danville, -----
	UNITED HOME DRESSED MEAT CO., ALTOONA, PA.	
2881	Dry Tankage, -----	United Home Dressed Meat Co., Altoona, -----
	VIRGINIA-CAROLINA CHEMICAL CORPO- RATION, NEW YORK, N. Y.	
3222	Ground Tankage, -----	S. T. Benninger, St. Johns, -----
		Average, -----
	KAINIT	
	THE AMERICAN AGRICULTURAL CHEMI- CAL CO., NEW YORK, N. Y.	
4095	Kainit, -----	R. D. & T. J. Brown, South Montrose, -----
3726	Kainit, -----	Frey's Hardware Co., Muney, -----
4160	Kainit, -----	Grove & Co., Brownston, -----
2983	Kainit, -----	Blair Treese, Williamsburg, -----

FERTILIZERS—Continued.

NITROGEN.		PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
Found.	Guaranteed.	Total.		Available.		Insoluble.		Found.	Guaranteed.	Present as muriate.	Present as sulphate.		
		Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	%	%	\$	
6.10	4.93	14.17	13.73	-----		-----						35.25	4372
4.94	4.80	13.06	10.00	-----		-----						40.00	4934
7.22	7.40	*6.12	8.00	-----		-----						53.75	3355
7.49	7.40	11.74	4.00	-----		-----						55.00	2613
*7.18	7.40	12.22	4.00	-----		-----							3273
5.65	5.76	13.90	5.00	-----		-----							3342
6.94	6.16	11.35	9.00	-----		-----						40.50	2816
7.10	6.16	8.88	9.00	-----		-----						45.00	4328
8.28	7.40	9.21	4.00	-----		-----							3637
6.08	5.75	*9.80	11.54	-----		-----							3041
*5.91	7.15	12.80	8.99	-----		-----						45.00	3360
6.75	4.93	*10.69	12.00	-----		-----						41.00	3094
*6.86	7.40	12.76	1.00	-----		-----						51.50	3088
*6.97	7.40	12.37	1.00	-----		-----						44.90	2996
6.11	-----	11.99	11.25	-----		-----						44.00	3472
6.24	-----	12.90	9.15	-----		-----						45.80	2950
6.56	6.00	13.61	9.00	-----		-----						35.00	2881
7.44	7.41	†*6.45	-----	-----		-----						50.00	3322
6.76	-----	11.45	-----	-----		-----						45.45	-----
-----	-----	-----	-----	-----		-----		12.71	12.40	12.71	-----	19.00	4095
-----	-----	-----	-----	-----		-----		13.18	12.40	13.18	-----	12.25	3726
-----	-----	-----	-----	-----		-----		12.25	12.40	12.25	-----	17.50	4160
-----	-----	-----	-----	-----		-----		12.80	12.40	12.80	-----	20.00	2983

*Deficient

†Compared with registered guarantee.

TABLE VII—MISCELLANEOUS

Chemist's number.	Name of Manufacturer and Brand.	Sample Taken From—
	THE MILLER FERTILIZER CO., BALTI-MORE, MD.	
4159	Kainit, -----	Grove & Co., Brownston, -----
3830	Kainit, -----	H. J. Lindner, Pottsgrove, -----
	F. S. ROYSTER GUANO CO., BALTI-MORE, MD.	
4321	Kainit, -----	W. C. Follmer, Benton, -----
	VIRGINIA-CAROLINA CHEMICAL CORPORATION, NEW YORK, N. Y.	
4135	Kainit, -----	E. S. Kelly, Gettysburg, -----
		Average, -----
	MANURE SALT	
	FRED E. LORD, ESPY, PA.	
2817	Manure Salt, -----	Fred E. Lord, Espy, -----
4327	Manure Salt, -----	Fred E. Lord, Espy, -----
		Average, -----
	MURIATE OF POTASH	
	THE AMERICAN AGRICULTURAL CHEMICAL CO., NEW YORK, N. Y.	
3127	Muriate of Potash, -----	Farmers' Exchange, Indiana, -----
2591	Muriate of Potash, -----	George A. Konkle, Montoursville, -----
4268	Muriate of Potash, -----	Charles Persan, Montgomery, -----
3365	Muriate of Potash, -----	L. E. Rhoads, Selinsgrove, -----
4380	Muriate of Potash, -----	L. E. Rhoads, Selinsgrove, -----
	ARMOUR FERTILIZER WORKS, BALTI-MORE, MD.	
3975	Big Crop Muriate of Potash, -----	L. A. Yeackley, Patton, -----
	THE ASSOCIATED CHEMICAL CO., BALTIMORE, MD.	
3386	Muriate of Potash, -----	W. B. Barnitz, Carlisle, -----
3375	Muriate of Potash, -----	George H. Steininger, Middleburg, -----
4709	Muriate of Potash, -----	Strickler & Gillan, Greencastle, -----
	BAUGH & SONS COMPANY, PHILADELPHIA, PA.	
4684	Muriate of Potash, -----	D. W. Faust & Sons, Chambersburg, --
3536	Muriate of Potash, -----	Thomas K. George, Homer City, -----
3060	Muriate of Potash, -----	H. C. McEwen, New Bethlehem, -----
3082	Muriate of Potash, -----	W. M. Simington, Pottsgrove, -----
	FARMERS FERTILIZER WORKS, ELIZABETHTOWN, PA.	
3072	Muriate of Potash, -----	N. G. Adams, Paxinos, -----
	GRIFFITH & BOYD CO., BALTIMORE, MD.	
3146	Griffith & Boyd Co.'s Muriate of Potash, --	Martin & Co., Saltsburg, -----
	THE HUBBARD FERTILIZER CO., BALTI-MORE, MD.	
2573	Muriate of Potash, -----	Agricultural Extension Association, Lock Haven, -----
2611	Muriate of Potash, -----	Gallagher & Stevieck, Wilkes-Barre, ----
2851	Muriate of Potash, -----	Kiser Hardware, Shippenville, -----

FERTILIZERS—Continued.

NITROGEN.		PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
Found.	Guaranteed.	Total.		Available.		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as sulphate.		
		Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	%	%	\$	
-----	-----	-----	-----	-----	-----	-----	-----	12.81	12.00	12.81	-----	17.50	4159
-----	-----	-----	-----	-----	-----	-----	-----	13.29	12.00	13.29	-----	17.55	3830
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	-----	-----	-----	-----	-----	-----	-----	12.51	12.40	12.51	-----	19.00	4321
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	-----	-----	-----	-----	-----	-----	-----	14.20	12.40	14.20	-----	-----	4135
-----	-----	-----	-----	-----	-----	-----	-----	12.97	-----	-----	-----	17.55	-----
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	-----	-----	-----	-----	-----	-----	-----	21.68	20.00	21.68	-----	21.60	2817
-----	-----	-----	-----	-----	-----	-----	-----	21.26	20.00	21.26	-----	25.00	4327
-----	-----	-----	-----	-----	-----	-----	-----	21.47	-----	-----	-----	23.30	-----
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	-----	-----	-----	-----	-----	-----	-----	48.64	48.00	48.64	-----	57.00	3127
-----	-----	-----	-----	-----	-----	-----	-----	*47.44	48.00	47.44	-----	-----	2591
-----	-----	-----	-----	-----	-----	-----	-----	49.77	48.00	49.77	-----	46.00	4268
-----	-----	-----	-----	-----	-----	-----	-----	49.04	48.00	49.04	-----	45.00	3365
-----	-----	-----	-----	-----	-----	-----	-----	48.49	48.00	48.49	-----	46.00	4380
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	-----	-----	-----	-----	-----	-----	-----	49.32	48.00	49.32	-----	40.50	3975
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	-----	-----	-----	-----	-----	-----	-----	50.29	50.00	50.29	-----	45.00	3386
-----	-----	-----	-----	-----	-----	-----	-----	50.09	50.00	50.09	-----	47.00	3375
-----	-----	-----	-----	-----	-----	-----	-----	50.40	50.00	50.40	-----	-----	4709
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	-----	-----	-----	-----	-----	-----	-----	50.84	48.00	50.84	-----	-----	4684
-----	-----	-----	-----	-----	-----	-----	-----	50.04	48.00	50.04	-----	105.00	3536
-----	-----	-----	-----	-----	-----	-----	-----	48.12	48.00	48.12	-----	49.50	3660
-----	-----	-----	-----	-----	-----	-----	-----	53.00	48.00	53.00	-----	42.00	3082
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	-----	-----	-----	-----	-----	-----	-----	51.36	50.00	51.36	-----	50.00	3072
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	-----	-----	-----	-----	-----	-----	-----	*47.64	48.00	47.64	-----	50.00	3146
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	-----	-----	-----	-----	-----	-----	-----	*49.72	50.00	49.72	-----	42.20	2573
-----	-----	-----	-----	-----	-----	-----	-----	53.88	50.00	53.88	-----	55.00	2611
-----	-----	-----	-----	-----	-----	-----	-----	49.84	50.00	49.84	-----	48.25	2851

*Deficient.

TABLE VII—MISCELLANEOUS

Chemist's number.	Name of Manufacturer and Brand.	Sample Taken From—
	KEYSTONE GRANGE EXCHANGE, INC., HARRISBURG, PA.	
3223	Granger's Muriate of Potash, -----	Charles M. Pallman, Clarks Summit, ---
2840	Granger's Muriate of Potash, -----	G. B. Wachob, Dubois, -----
3418	Granger's Muriate of Potash, -----	H. P. Yonkin, Dushore, -----
	LEBANON FERTILIZER WORKS, LEBANON, PA.	
4763	Muriate of Potash, -----	John A. Beaver, Hamburg, -----
3960	Muriate of Potash, -----	V. A. Huber, Patton, -----
	FRED E. LORD, ESPY, PA.	
2819	Muriate of Potash, -----	Fred E. Lord, Espy, -----
4332	Muriate of Potash, -----	Fred E. Lord, Espy, -----
	THE MILLER FERTILIZER CO., BALTI- MORE, MD.	
2804	Muriate of Potash, -----	F. M. Bitler, Danville, -----
4233	Muriate of Potash, -----	H. J. Lindner & Son, Pottsgrove, -----
4024	Muriate of Potash, -----	Walker Brothers, Chambersburg, -----
	MORTON FERTILIZER CO., BALTIMORE, MD.	
2775	Muriate of Potash, -----	Allen G. Blatt, Bernville, -----
	NITRATE AGENCIES COMPANY, BALTI- MORE, MD.	
3623	Naeo Brand Muriate of Potash, -----	Beaver County Co-operative Association, Beaver, -----
	PIEDMONT MT. AIRY GUANO COMPANY, BALTIMORE, MD.	
2846	Muriate of Potash, -----	Ditz & Mooney Hardware, Clarion, ----
2559	Muriate of Potash, -----	H. J. Phillippi, Ligonier, -----
	READING BONE FERTILIZER CO., READ- ING, PA.	
2906	Muriate of Potash, -----	C. A. Claybaugh, Everett, -----
4902	Muriate of Potash, -----	J. T. Claybaugh, Everett, -----
	F. S. ROYSTER GUANO COMPANY, BALTI- MORE, MD.	
4726	Muriate of Potash, -----	Marvin F. Cope, Berwick, -----
4098	Muriate of Potash, -----	Ord. J. Dohl, Shiekshinny, -----
4039	Muriate of Potash, -----	Parnassus Hardware Co., Parnassus, ---
	SWACK FERTILIZER WORKS, DUBOIS, PA.	
4542	Muriate of Potash, -----	Craft & Bowers, Big Run, -----
3067	Muriate of Potash, -----	Mahoning Valley Milling Co., Punxsu- tawney, -----
	SUMMERS FERTILIZER CO., BALTIMORE, MD.	
4261	Summer's Best on Earth Muriate of Potash 49%, -----	Charles A. B. Boner, Montgomery, -----
	SWIFT & COMPANY, BALTIMORE, MD.	
3092	Swift's Muriate of Potash, -----	G. H. Dippe, Stillwater, -----
2618	Swift's Muriate of Potash, -----	E. B. Vosler—S. R. McMichael, Hun- locks Creek, -----
	I. P. THOMAS & SON COMPANY, PHILA- DELPHIA, PA.	
4759	Muriate of Potash, -----	Mahlon W. Snyder, Hamburg, -----

FERTILIZERS—Continued.

NITROGEN.		PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
Found.	Guaranteed.	Total.		Available.		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as sulphate.		
		Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	%	%	\$	
-----	-----	-----	-----	-----	-----	-----	-----	49.96	48.00	49.96	-----	43.50	3223
-----	-----	-----	-----	-----	-----	-----	-----	50.08	48.00	50.08	-----	43.60	2840
-----	-----	-----	-----	-----	-----	-----	-----	51.76	48.00	51.76	-----	43.30	3418
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	-----	-----	-----	-----	-----	-----	-----	51.64	50.00	51.64	-----	50.00	4763
-----	-----	-----	-----	-----	-----	-----	-----	50.36	50.00	50.36	-----	41.10	3960
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	-----	-----	-----	-----	-----	-----	-----	52.04	50.00	52.04	-----	40.50	2819
-----	-----	-----	-----	-----	-----	-----	-----	50.60	50.00	50.60	-----	45.00	4332
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	-----	-----	-----	-----	-----	-----	-----	52.20	50.00	52.20	-----	47.00	2804
-----	-----	-----	-----	-----	-----	-----	-----	53.20	50.00	53.20	-----	47.70	4233
-----	-----	-----	-----	-----	-----	-----	-----	50.28	50.00	50.28	-----	-----	4024
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	-----	-----	-----	-----	-----	-----	-----	52.00	50.00	52.00	-----	37.95	2775
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	-----	-----	-----	-----	-----	-----	-----	48.59	48.00	48.59	-----	43.50	3623
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	-----	-----	-----	-----	-----	-----	-----	*46.39	48.00	46.39	-----	45.00	2846
-----	-----	-----	-----	-----	-----	-----	-----	*47.32	48.00	47.32	-----	45.00	2559
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	-----	-----	-----	-----	-----	-----	-----	54.60	50.00	54.60	-----	-----	2906
-----	-----	-----	-----	-----	-----	-----	-----	52.56	50.00	52.56	-----	49.00	4902
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	-----	-----	-----	-----	-----	-----	-----	54.88	48.00	54.88	-----	43.50	4726
-----	-----	-----	-----	-----	-----	-----	-----	*45.89	48.00	45.89	-----	42.00	4098
-----	-----	-----	-----	-----	-----	-----	-----	*46.36	48.00	46.36	-----	72.00	4039
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	-----	-----	-----	-----	-----	-----	-----	50.68	50.00	50.68	-----	90.00	4542
-----	-----	-----	-----	-----	-----	-----	-----	52.88	50.00	52.88	-----	50.00	3067
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	-----	-----	-----	-----	-----	-----	-----	51.29	48.00	51.29	-----	50.00	4261
-----	-----	-----	-----	-----	-----	-----	-----	50.16	48.00	50.16	-----	42.00	3092
-----	-----	-----	-----	-----	-----	-----	-----	51.96	48.00	51.96	-----	42.00	2618
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	-----	-----	-----	-----	-----	-----	-----	50.32	50.00	50.32	-----	-----	4759

*Deficient.

TABLE VII—MISCELLANEOUS

Chemist's number.	Name of Manufacturer and Brand.		Sample Taken From—	
	UNITED STATES GUANO CO., BALTI- MORE, MD.			
2946	German Muriate of Potash, -----		Charles E. Brobst, Bloomsburg, -----	
4482	German Muriate of Potash, -----		Neil S. Harrison, Forks, -----	
4808	German Muriate of Potash, -----		Ralph Hosler, Berwick, -----	
	VIRGINIA-CAROLINA CHEMICAL CORPO- RATION, NEW YORK, N. Y.			
4602	Muriate of Potash, -----		Wm. B. Diehl, Lehighton, -----	
2821	Muriate of Potash, -----		H. B. Low & Son, Orangeville, -----	
4106	Muriate of Potash, -----		Murray Co., Honesdale, -----	
	YORK CHEMICAL WORKS, YORK, PA.			
3338	Muriate of Potash, -----		Brice W. Bedell, Mill City, -----	
3715	Muriate of Potash, -----		C. E. Frazier, Mill Hall, -----	
4150	Muriate of Potash, -----		Red Lion Supply Co., Red Lion, -----	
	MISCELLANEOUS		Average, -----	
	BAUGH & SONS COMPANY, PHILADEL- PHIA, PA.			
3058	Baugh's Pure Bone and Muriate of Potash Mixture, -----		H. C. McEwen, New Bethlehem, -----	
	FARMERS FERTILIZER WORKS, ELIZA- BETHTOWN, PA.			
3290	Farmer's Top Dressing, -----		J. T. Auker, Millintown, -----	
	STANDARD CHEMICAL WORKS, INC., READING, PA.			
4496	Standard Special Mixture, -----		J. C. Benfield, Milton, -----	

FERTILIZERS—Concluded.

NITROGEN.		PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
Found.	Guaranteed.	Total.		Available.		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as sulphate.		
		Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	%	%	\$	
								50.84	50.00	50.84		38.00	2946
								*46.34	50.00	46.34		50.00	4482
								*46.11	50.00	46.11		46.00	4808
								50.32	48.00	50.32			4602
								50.44	48.00	50.44		45.00	2821
								51.64	48.00	51.64		60.00	4106
								50.28	50.00	50.28		47.75	3338
								*49.58	50.00	49.58		44.50	3715
								59.02	50.00	56.50	2.52		4150
								50.40				48.94	
2.55	2.05	21.05	20.00					*4.46	5.00	4.46		52.00	3053
7.15	6.97	8.73	6.50	7.91	6.00	0.82	0.50					41.00	3290
1.25	1.23	24.54	20.00					5.29	5.00	5.29		40.00	4496

*Deficient.

